

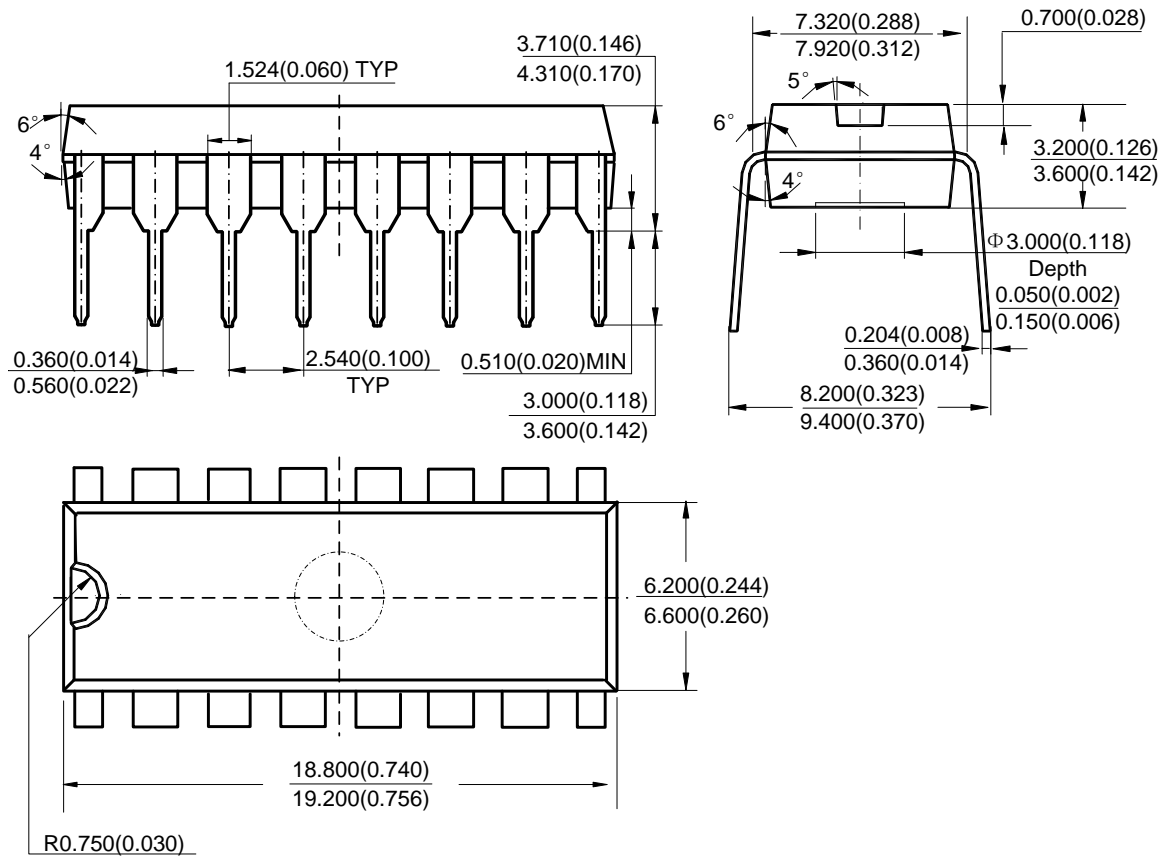


Packaging Information

Mechanical Dimensions

DIP-16 New Product Changed to PDIP-16 (2013.10)

Unit: mm(inch)



Note: Eject hole, oriented hole and mold mark is optional.

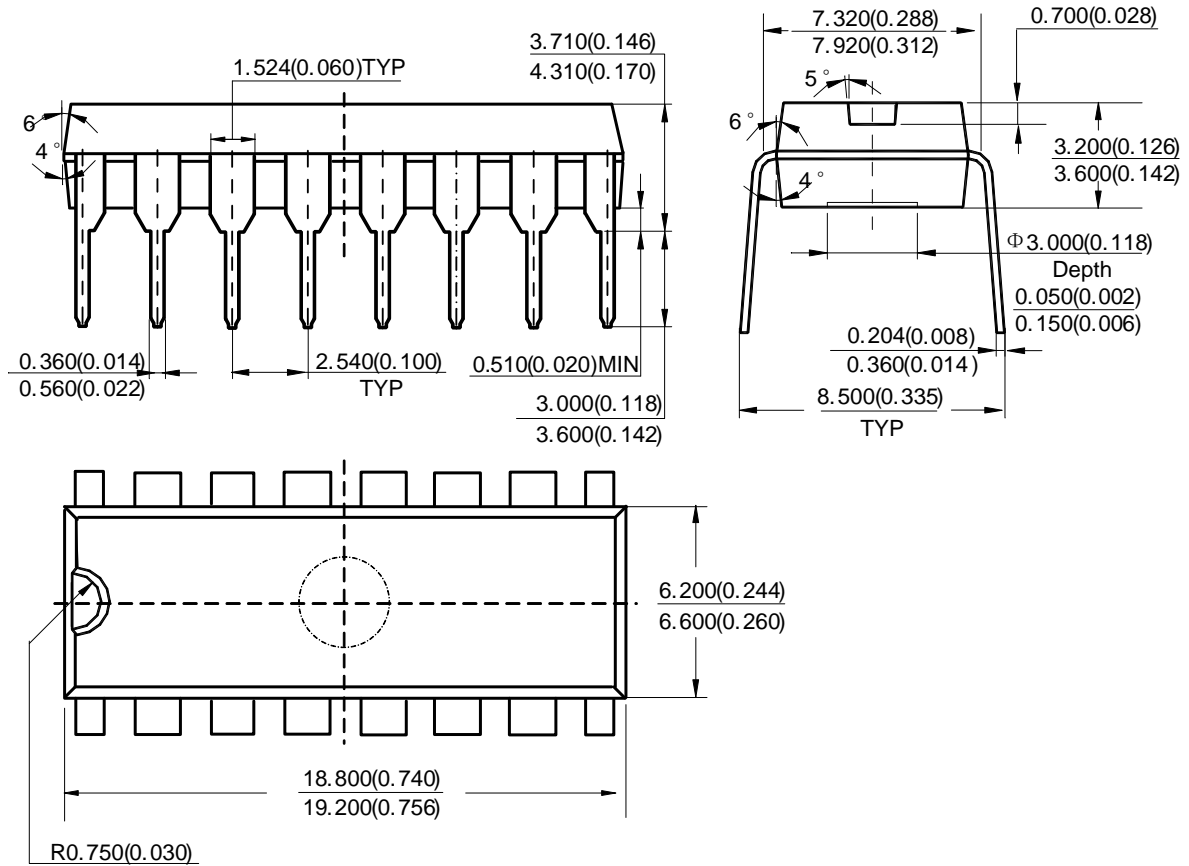


Packaging Information

Mechanical Dimensions

DIP-16 (Special for AZ4052)

Unit: mm(inch)



Note: Eject hole, oriented hole and mold mark is optional

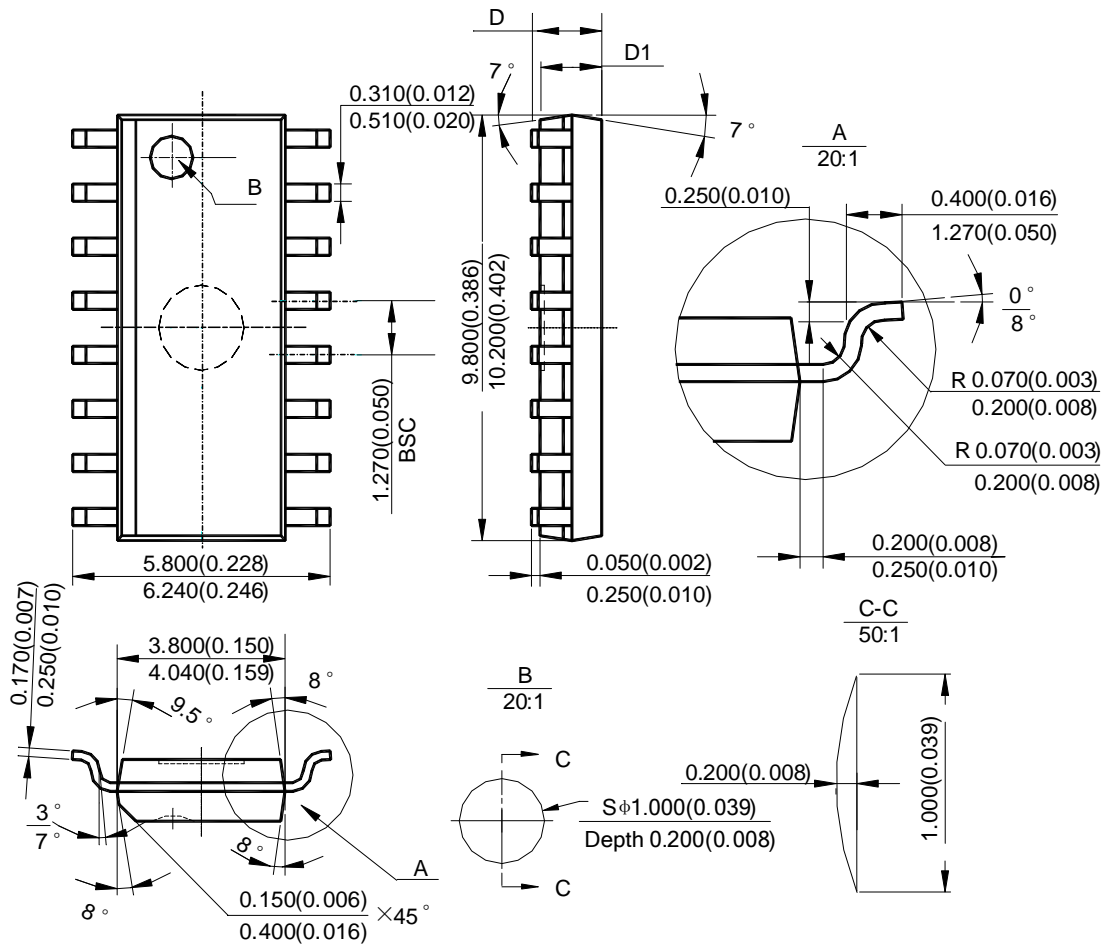


Packaging Information

Mechanical Dimensions

SOIC-16 New Product Changed to SO-16 (2013.10)

Unit: mm(inch)



Note: Eject hole, oriented hole and mold mark is optional.

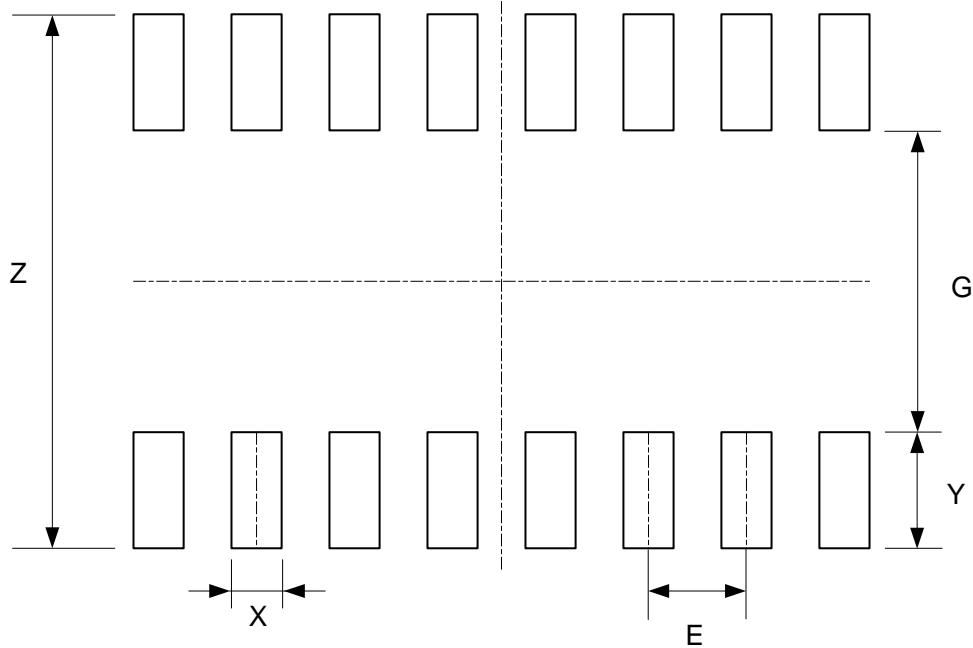
Symbol	D				D1			
	min(mm)	max(mm)	min(inch)	max(inch)	min(mm)	max(mm)	min(inch)	max(inch)
Option1	1.350	1.750	0.053	0.069	1.250	1.650	0.049	0.065
Option2	-	1.260	-	0.050	1.020	-	0.040	-



Packaging Information

Mounting Pad Layout

SOIC-16



Dimensions	Z (mm)/(inch)	G (mm)/(inch)	X (mm)/(inch)	Y (mm)/(inch)	E (mm)/(inch)
Value	6.900/0.272	3.900/0.154	0.650/0.026	1.500/0.059	1.270/0.050

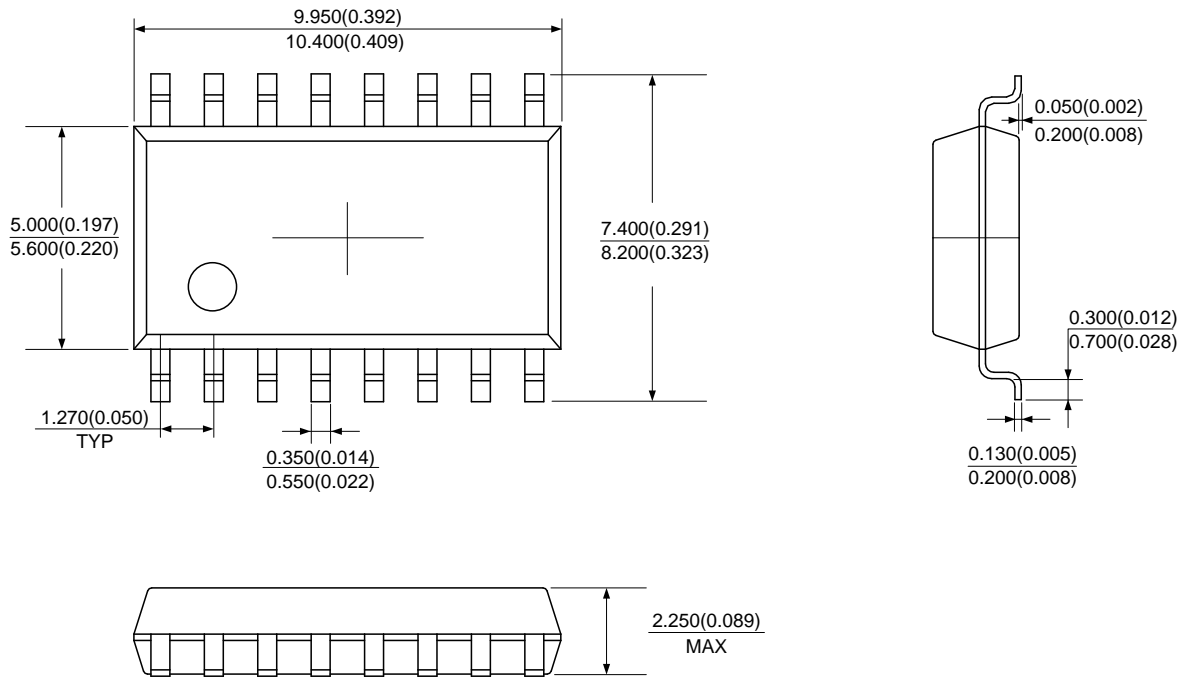


Packaging Information

Mechanical Dimensions

WSOP-16

Unit: mm(inch)



Note: Eject hole, oriented hole and mold mark is optional.



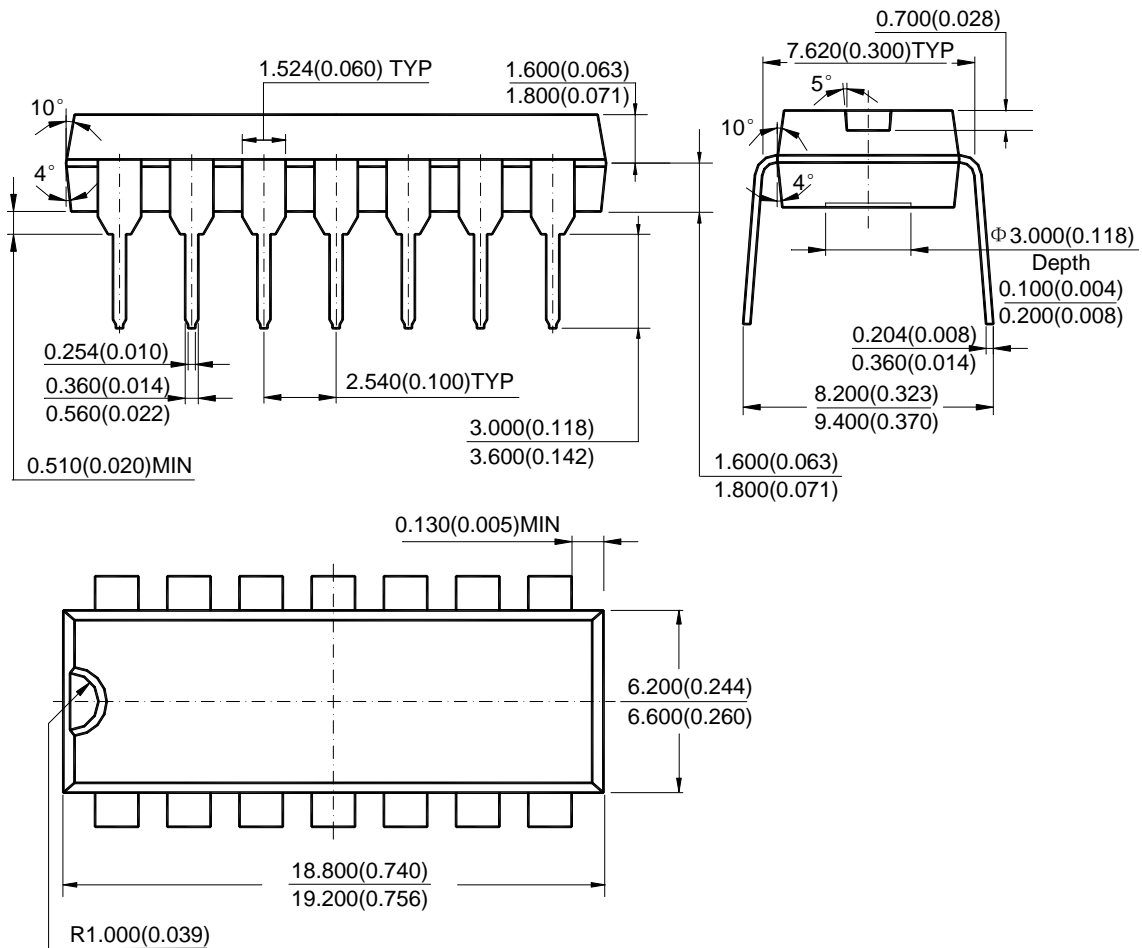
Packaging Information

Mechanical Dimensions

DIP-14

Unit: mm(inch)

New Product Changed to PDIP-14 (2013.10)



Note: Eject hole, oriented hole and mold mark is optional.

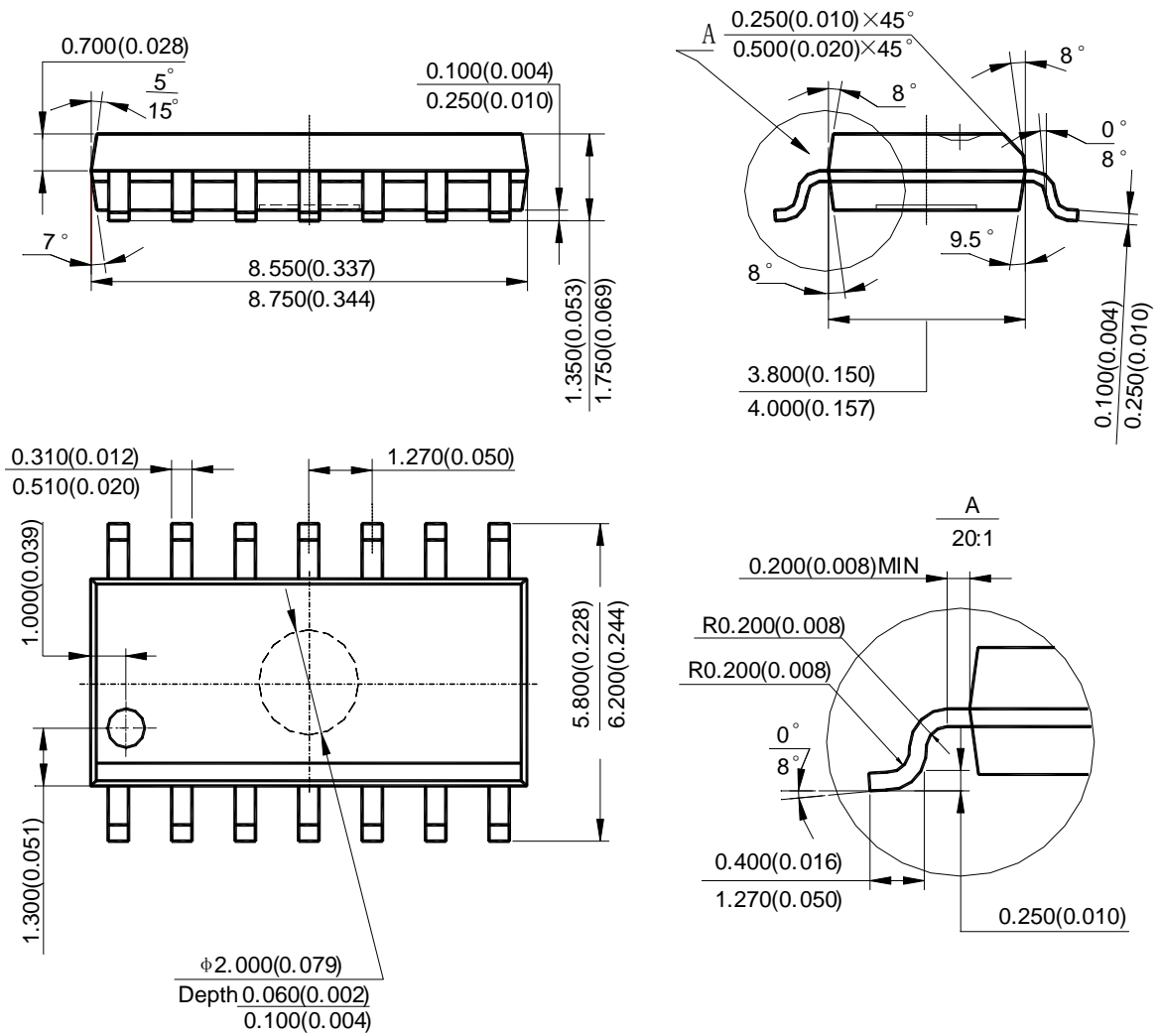


Packaging Information

Mechanical Dimensions

SOIC-14 New Product Changed to SO-14 (2013.10)

Unit: mm(inch)



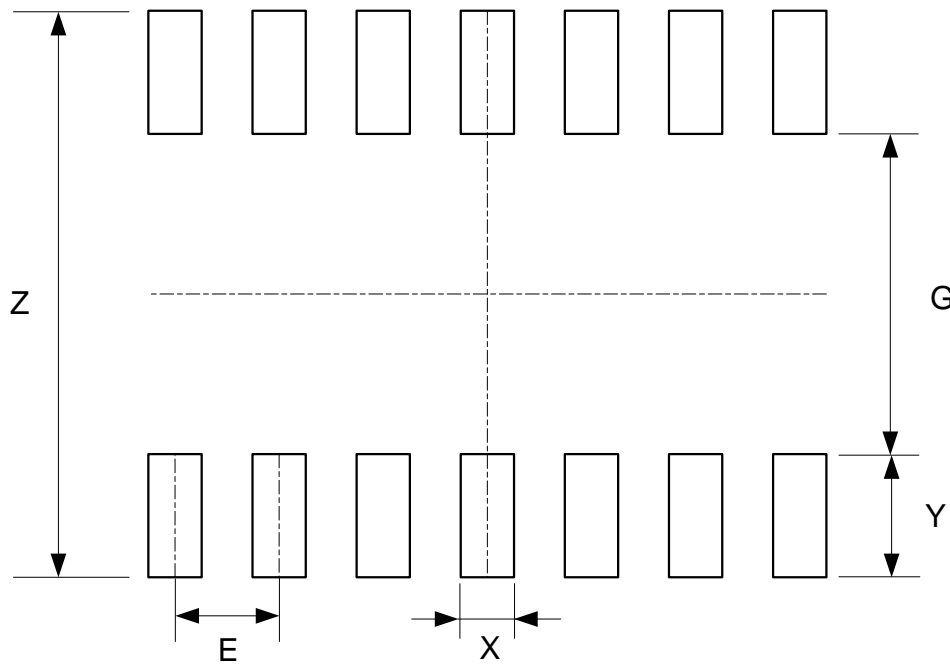
Note: Eject hole, oriented hole and mold mark is optional.



Packaging Information

Mounting Pad Layout

SOIC-14



Dimensions	Z (mm)/(inch)	G (mm)/(inch)	X (mm)/(inch)	Y (mm)/(inch)	E (mm)/(inch)
Value	6.900/0.272	3.900/0.154	0.650/0.026	1.500/0.059	1.270/0.050

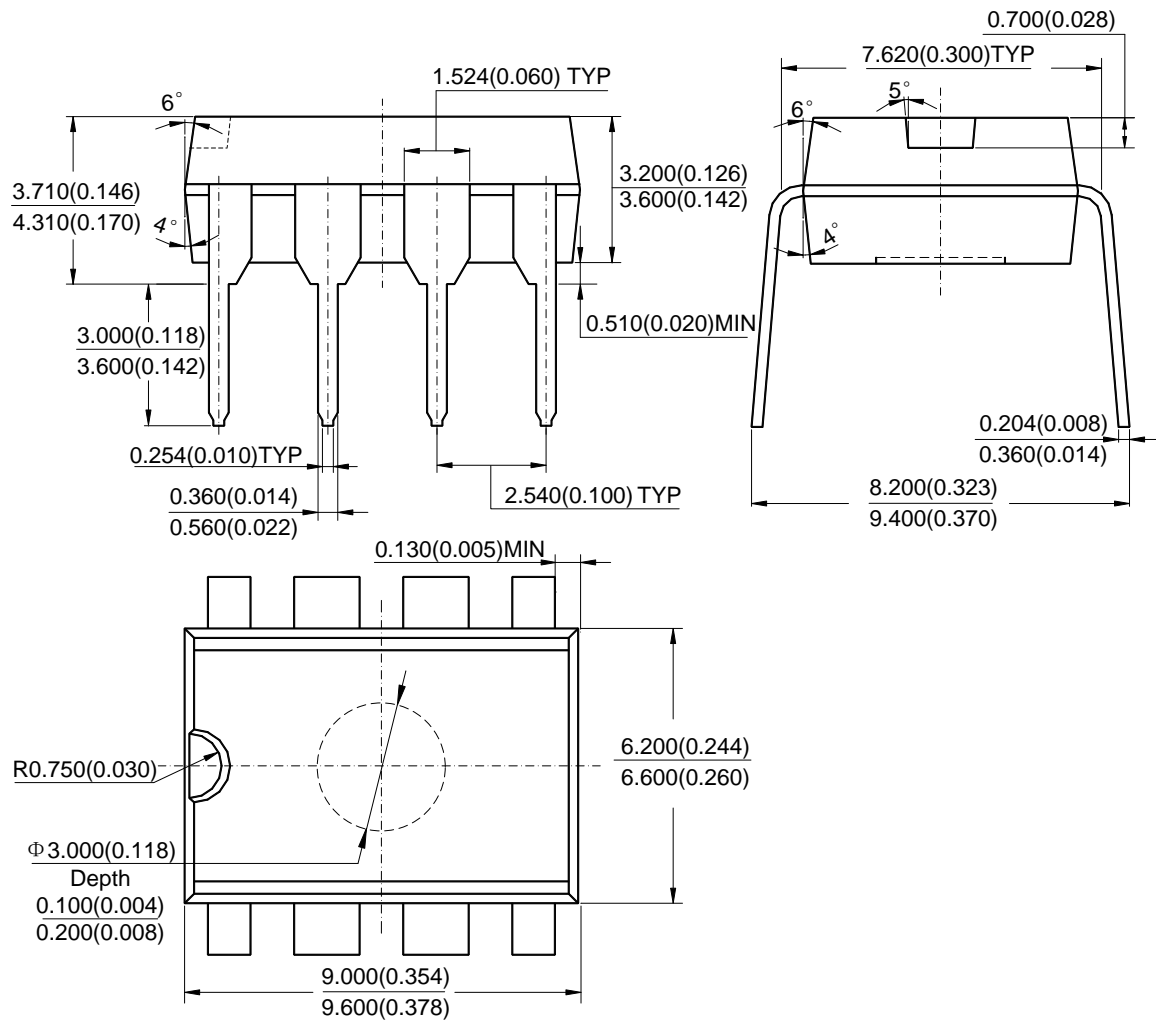


Packaging Information

Mechanical Dimensions

DIP-8 New Product Changed to PDIP-8 (2013.10)

Unit: mm(inch)



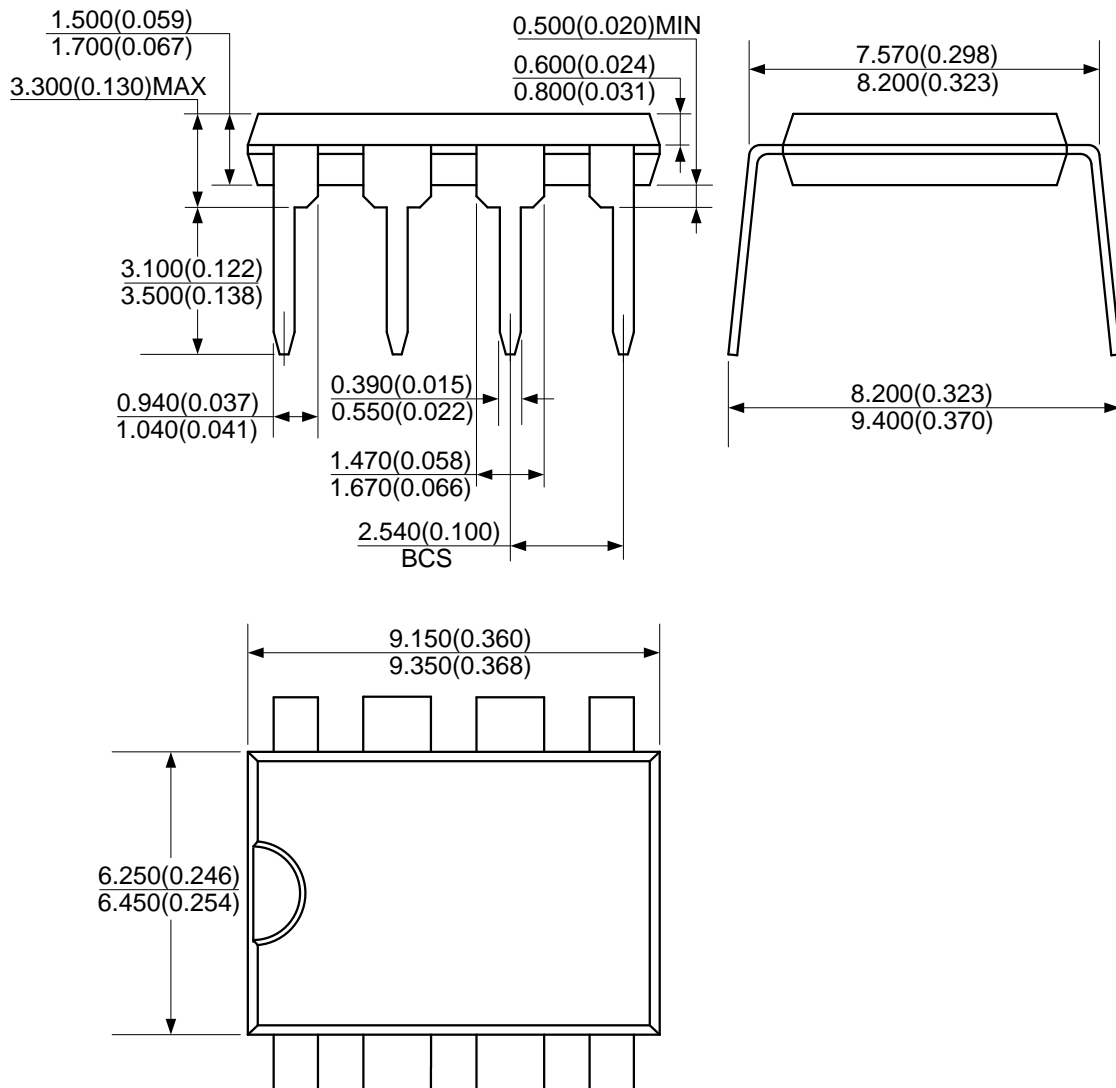
Note: Eject hole, oriented hole and mold mark is optional.

Packaging Information

Mechanical Dimensions

TDIP-8

Unit: mm(inch)

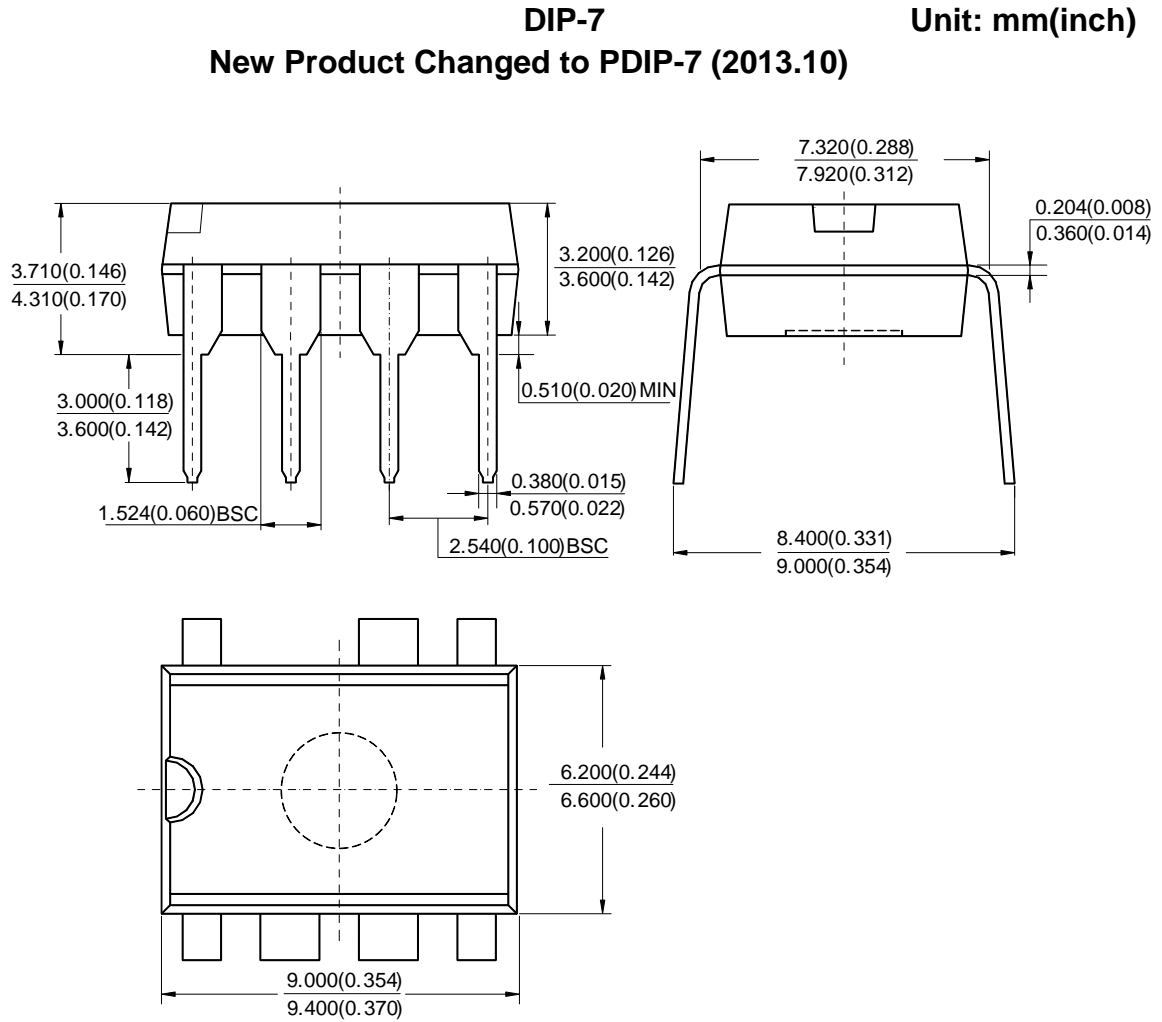


Note: Eject hole, oriented hole and mold mark is optional.



Packaging Information

Mechanical Dimensions



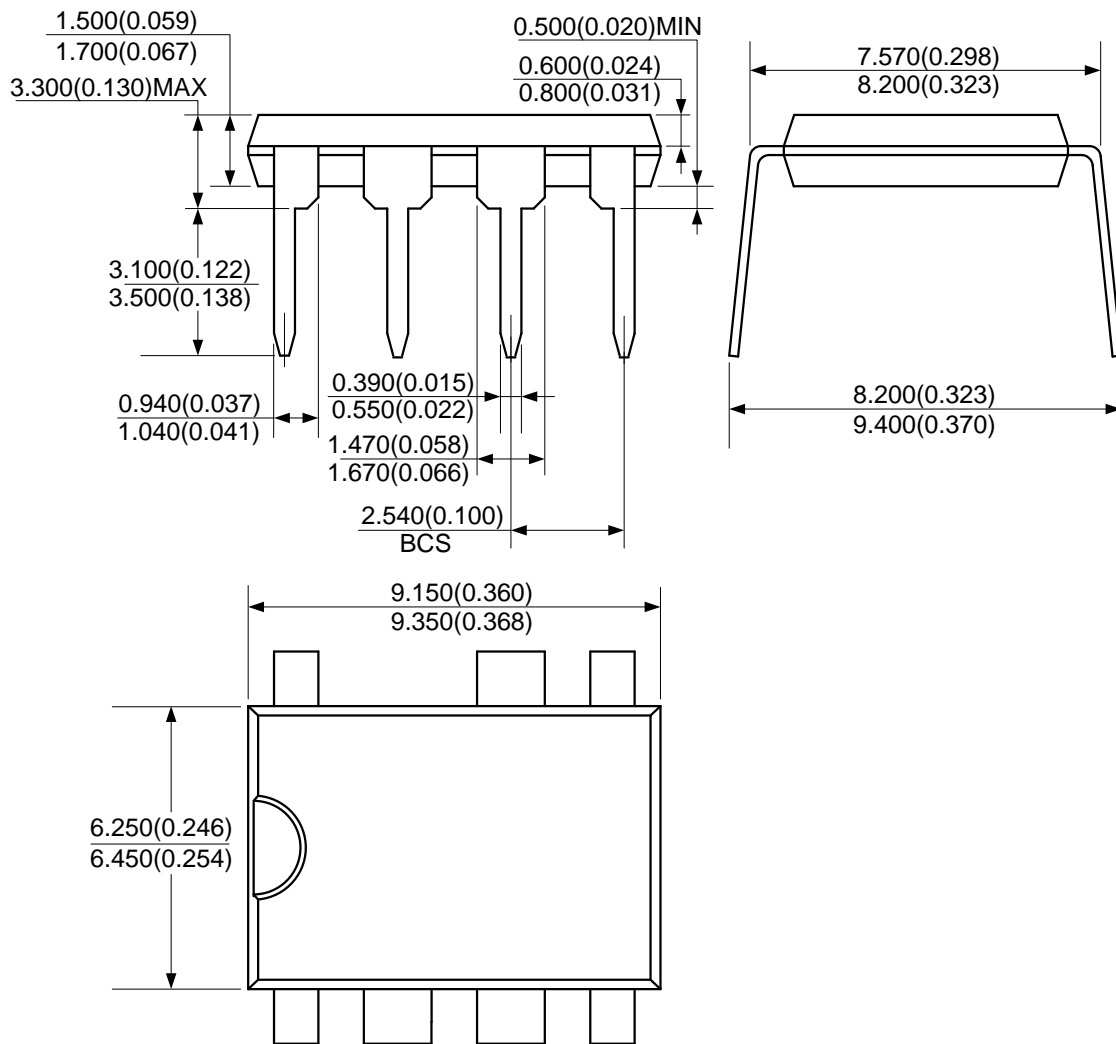
Note: Eject hole, oriented hole and mold mark is optional

Packaging Information

Mechanical Dimensions

TDIP-7

Unit: mm(inch)



Note: Eject hole, oriented hole and mold mark is optional.

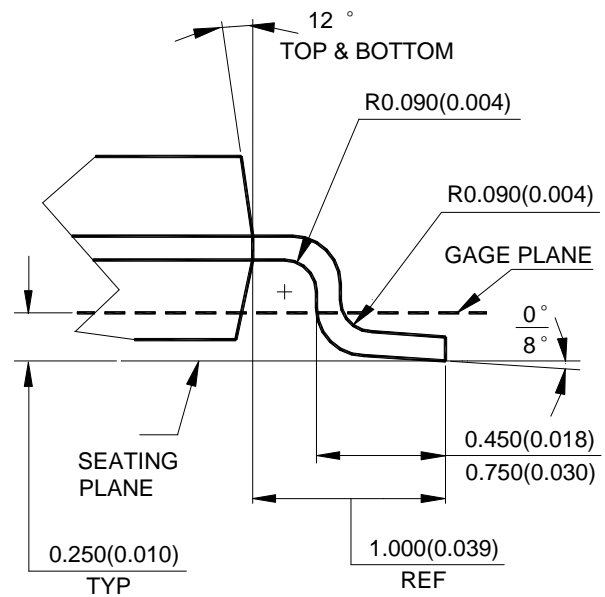
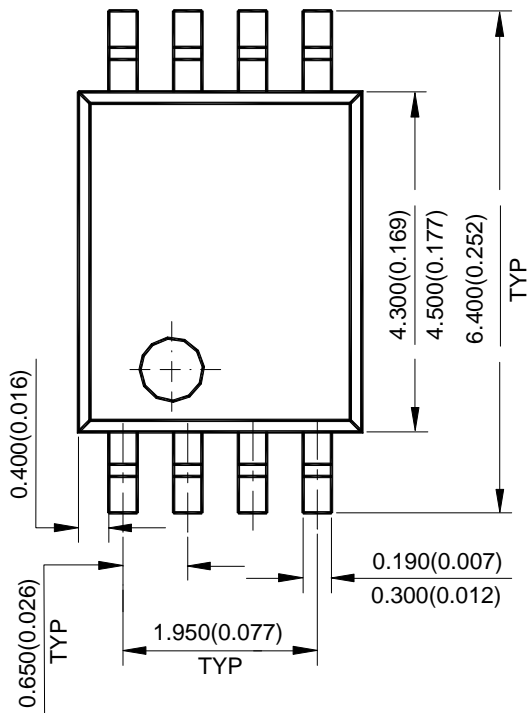
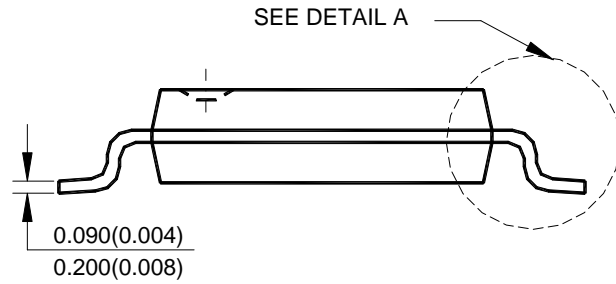
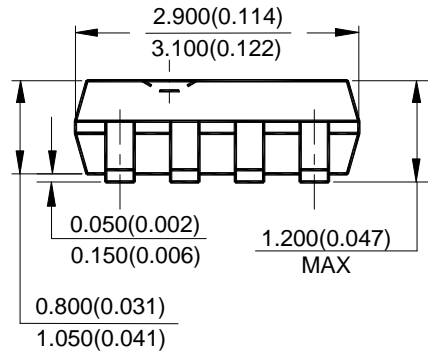


Packaging Information

Mechanical Dimensions

TSSOP-8

Unit: mm(inch)



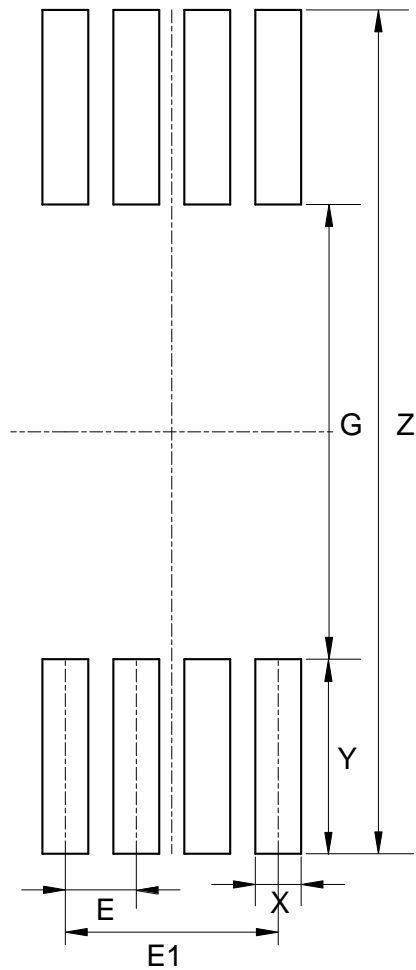
Note: Eject hole, oriented hole and mold mark is optional.



Packaging Information

Mounting Pad Layout

TSSOP-8



Dimensions	Z (mm)/(inch)	G (mm)/(inch)	X (mm)/(inch)	Y (mm)/(inch)	E (mm)/(inch)	E1 (mm)/(inch)
Value	7.720/0.304	4.160/0.164	0.420/0.017	1.780/0.070	0.650/0.026	1.950/0.077



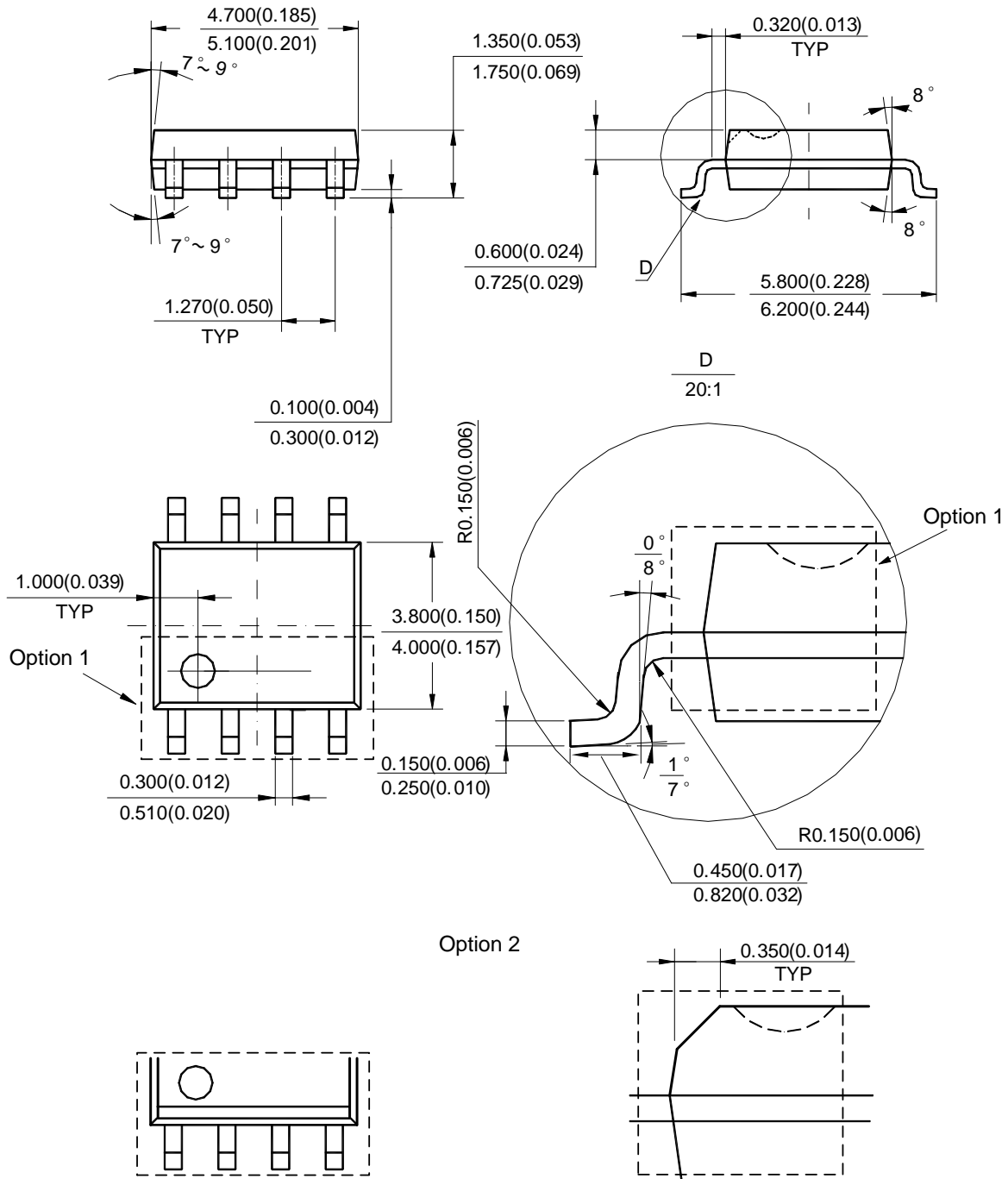
Packaging Information

Mechanical Dimensions

SOIC-8

Unit: mm(inch)

New Product Changed to SO-8 (2013.10)

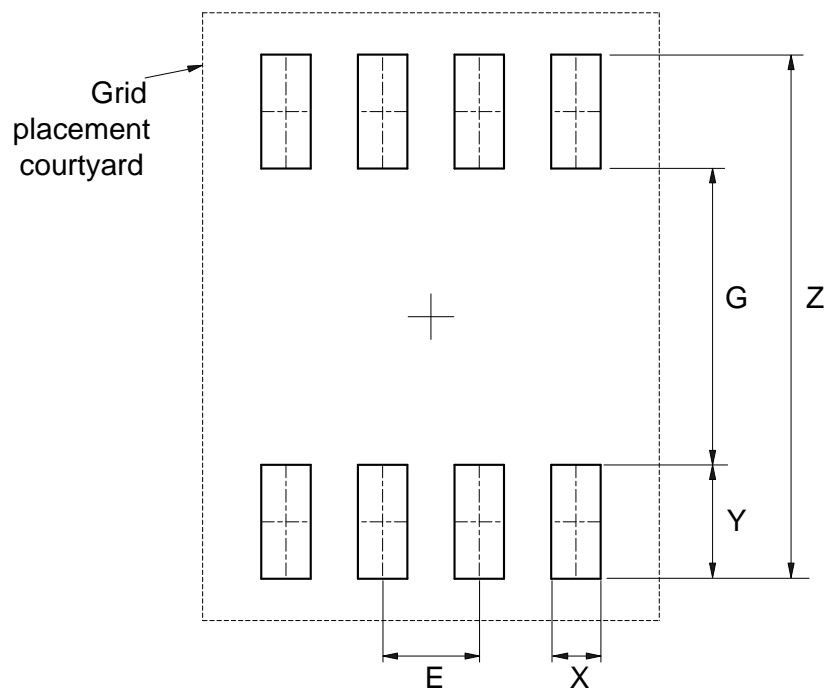


Note: Eject hole, oriented hole and mold mark is optional.

Packaging Information

Mounting Pad Layout

SOIC-8



Dimensions	Z (mm)/(inch)	G (mm)/(inch)	X (mm)/(inch)	Y (mm)/(inch)	E (mm)/(inch)
Value	6.900/0.272	3.900/0.154	0.650/0.026	1.500/0.059	1.270/0.050

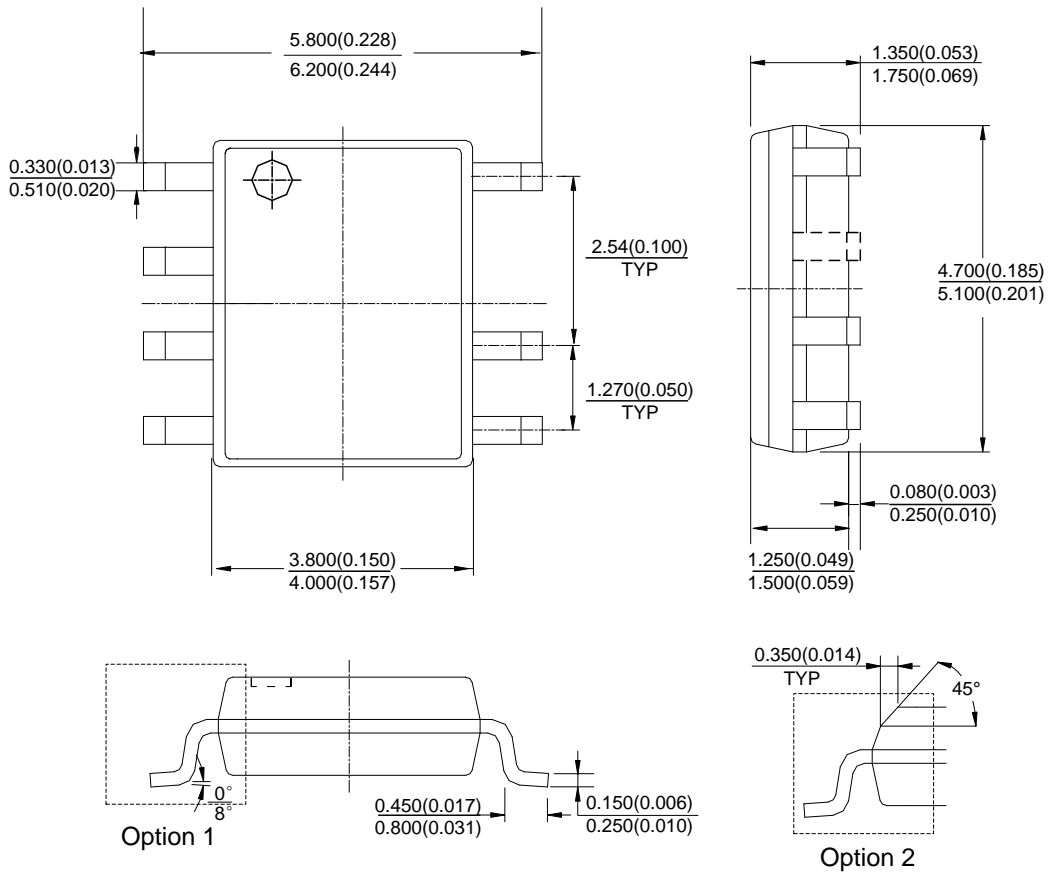


Packaging Information

Mechanical Dimensions

SOIC-7 New Product Changed to SO-7 (2013.10)

Unit: mm(inch)



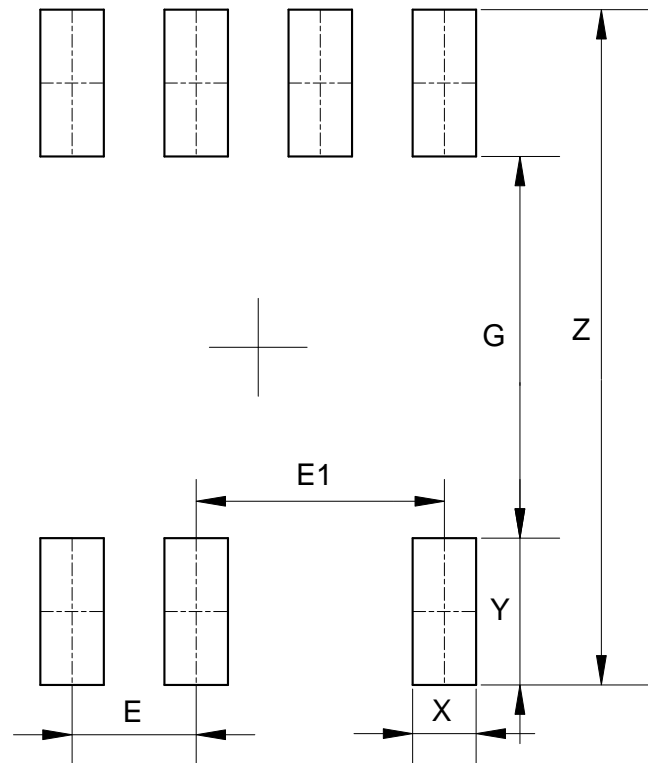
Note: Eject hole, oriented hole and mold mark is optional.



Packaging Information

Mounting Pad Layout

SOIC-7



Dimensions	Z (mm)/(inch)	G (mm)/(inch)	X (mm)/(inch)	Y (mm)/(inch)	E (mm)/(inch)	E1 (mm)/(inch)
Value	6.900/0.272	3.900/0.154	0.650/0.026	1.500/0.059	1.270/0.050	2.540/0.100



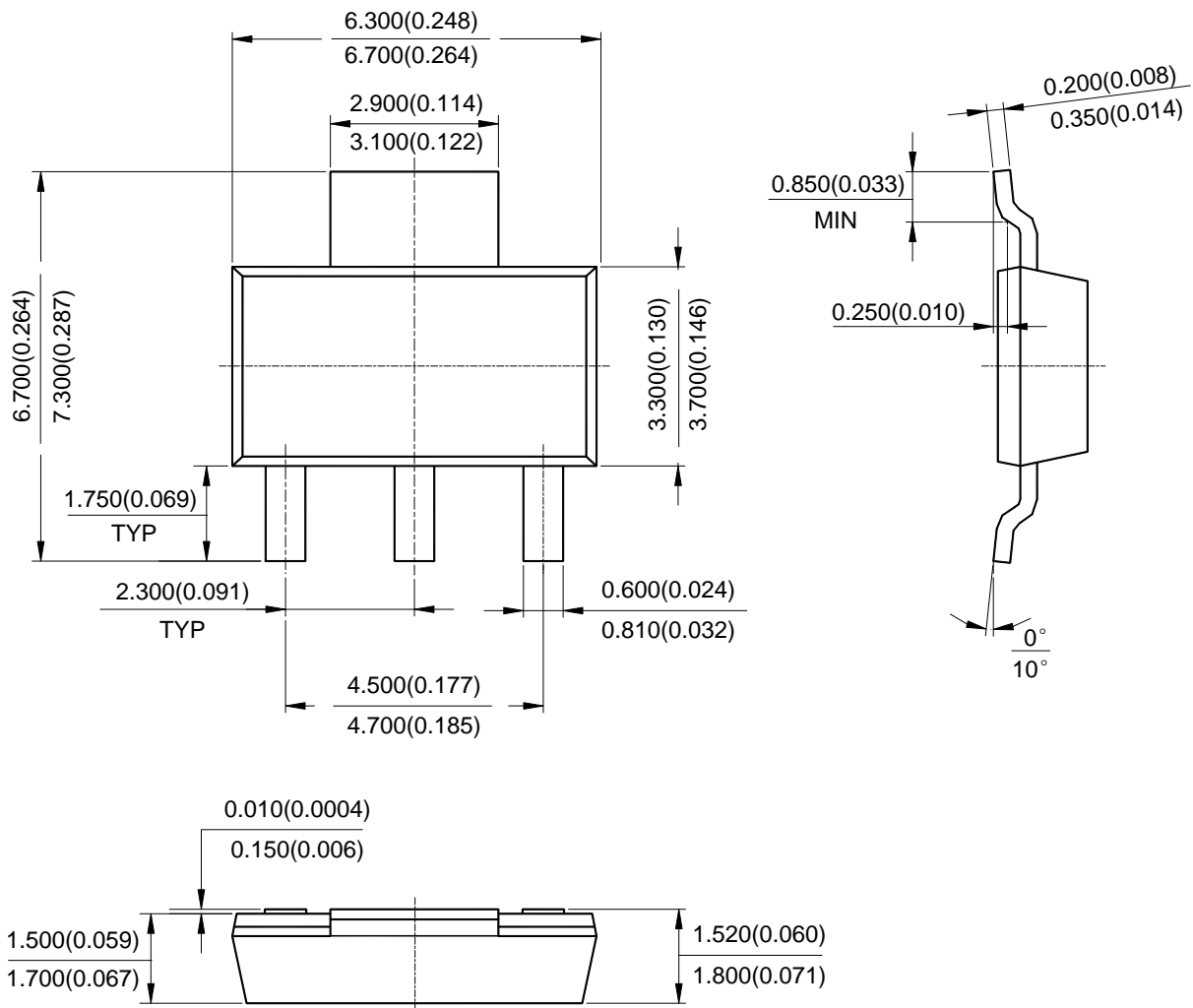
Packaging Information

Mechanical Dimensions

SOT-223

Unit: mm(inch)

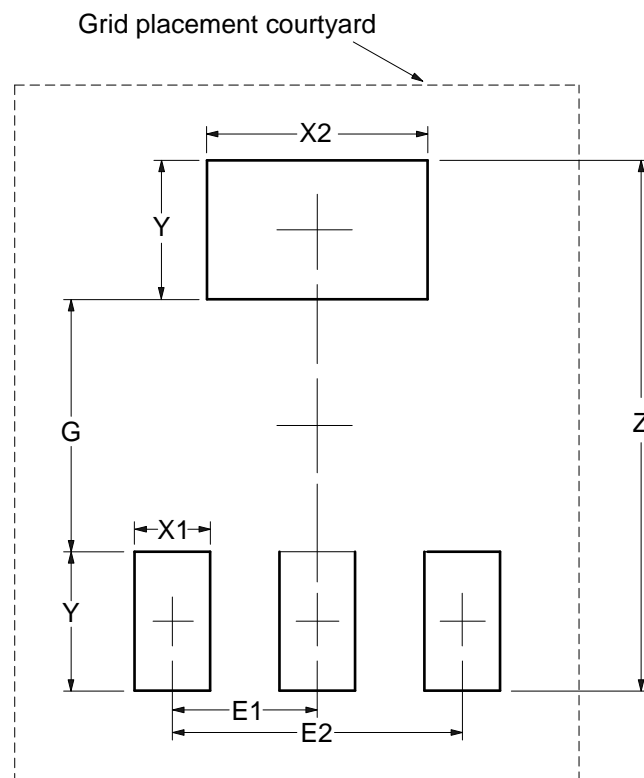
New Product Changed to SOT223 (2013.10)



Packaging Information

Mounting Pad Layout

SOT-223



Dimensions	Z (mm)/(inch)	G (mm)/(inch)	X1 (mm)/(inch)	X2 (mm)/(inch)	Y (mm)/(inch)	E1 (mm)/(inch)	E2 (mm)/(inch)
Value	8.400/0.331	4.000/0.157	1.200/0.047	3.500/0.138	2.200/0.087	2.300/0.091	4.600/0.181

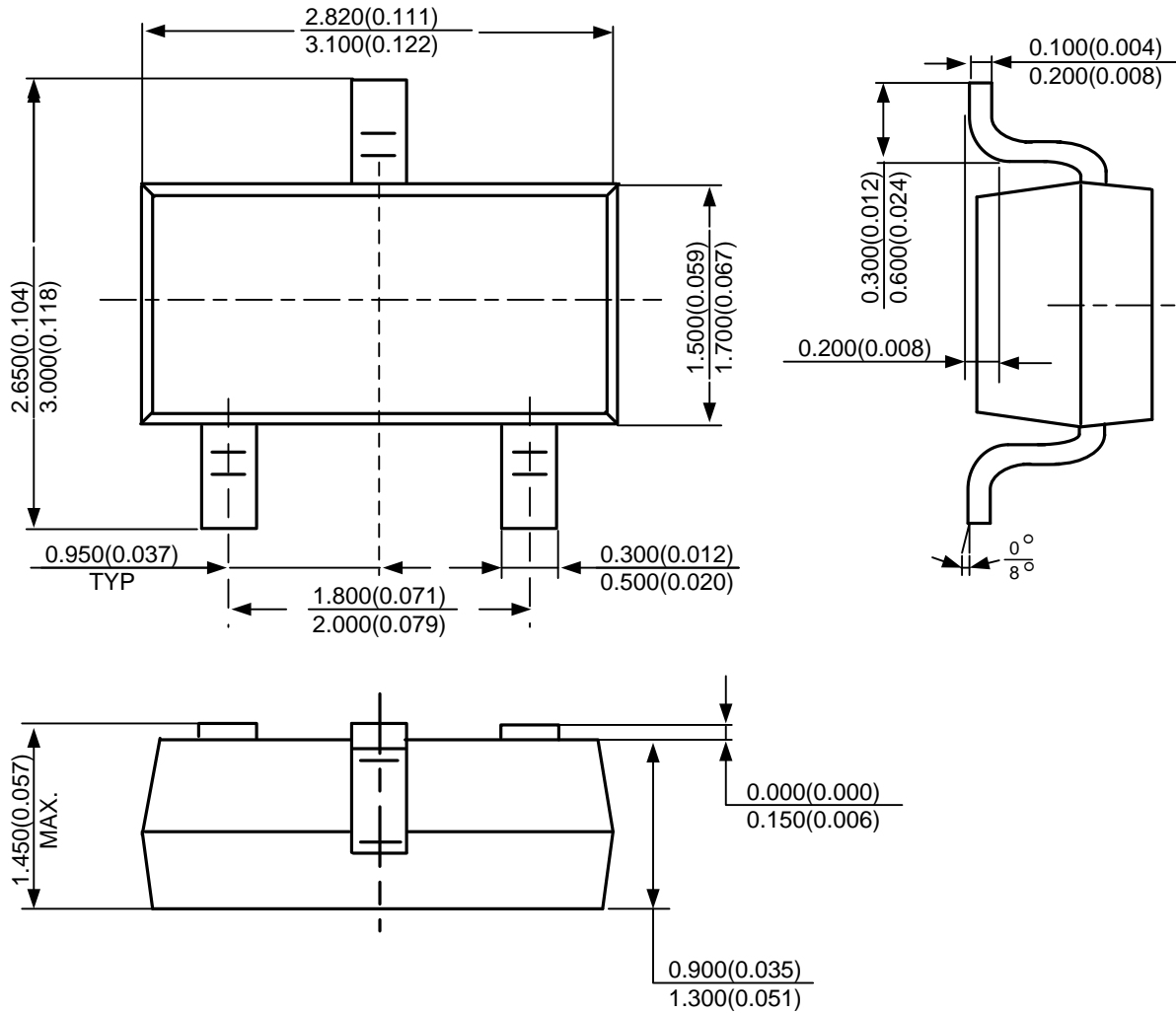


Packaging Information

Mechanical Dimensions

SOT-23-3
New Product Changed to SC59 (2013.10)

Unit: mm(inch)

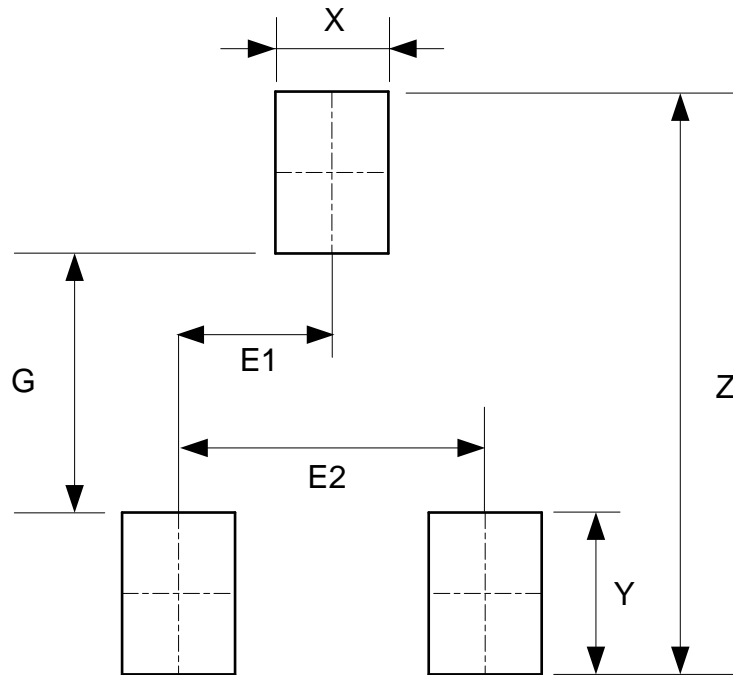




Packaging Information

Mounting Pad Layout

SOT-23-3



Dimensions	Z (mm)/(inch)	G (mm)/(inch)	X (mm)/(inch)	Y (mm)/(inch)	E1 (mm)/(inch)	E2 (mm)/(inch)
Value	3.600/0.142	1.600/0.063	0.700/0.028	1.000/0.039	0.950/0.037	1.900/0.075

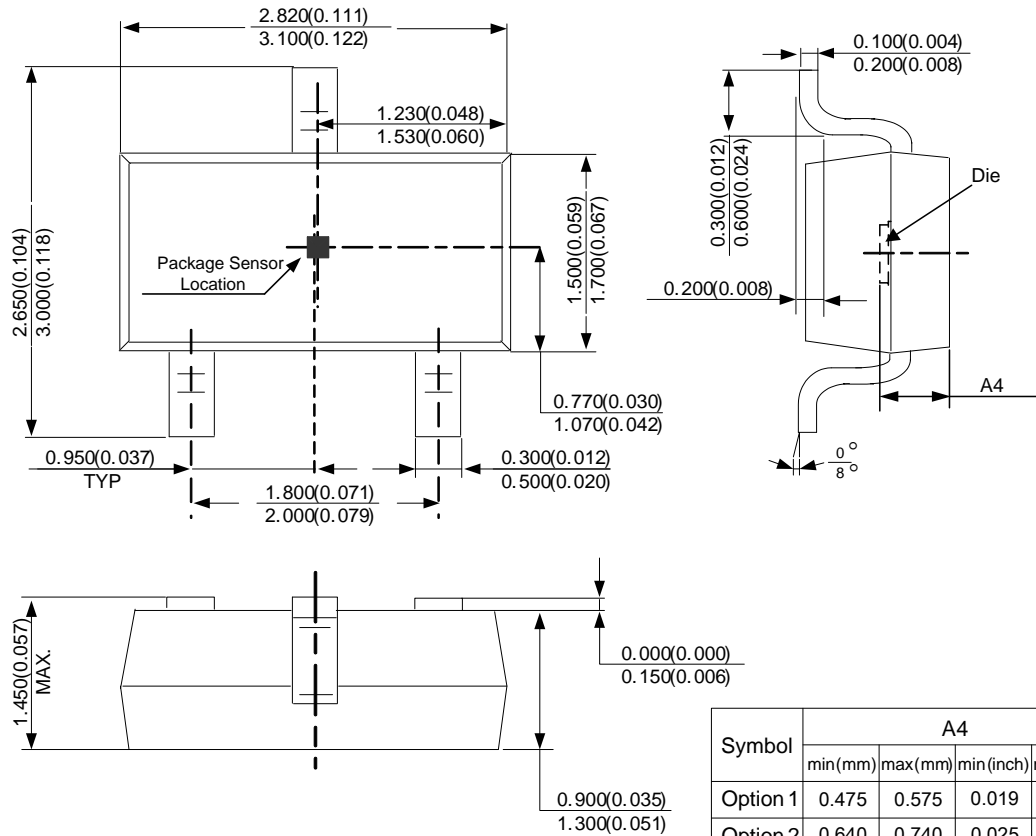


Packaging Information

Mechanical Dimensions

SOT-23-3(Only for AH920/AH921A/AH921)

Unit: mm(inch)



Symbol	A4			
	min(mm)	max(mm)	min(inch)	max(inch)
Option 1	0.475	0.575	0.019	0.023
Option 2	0.640	0.740	0.025	0.029

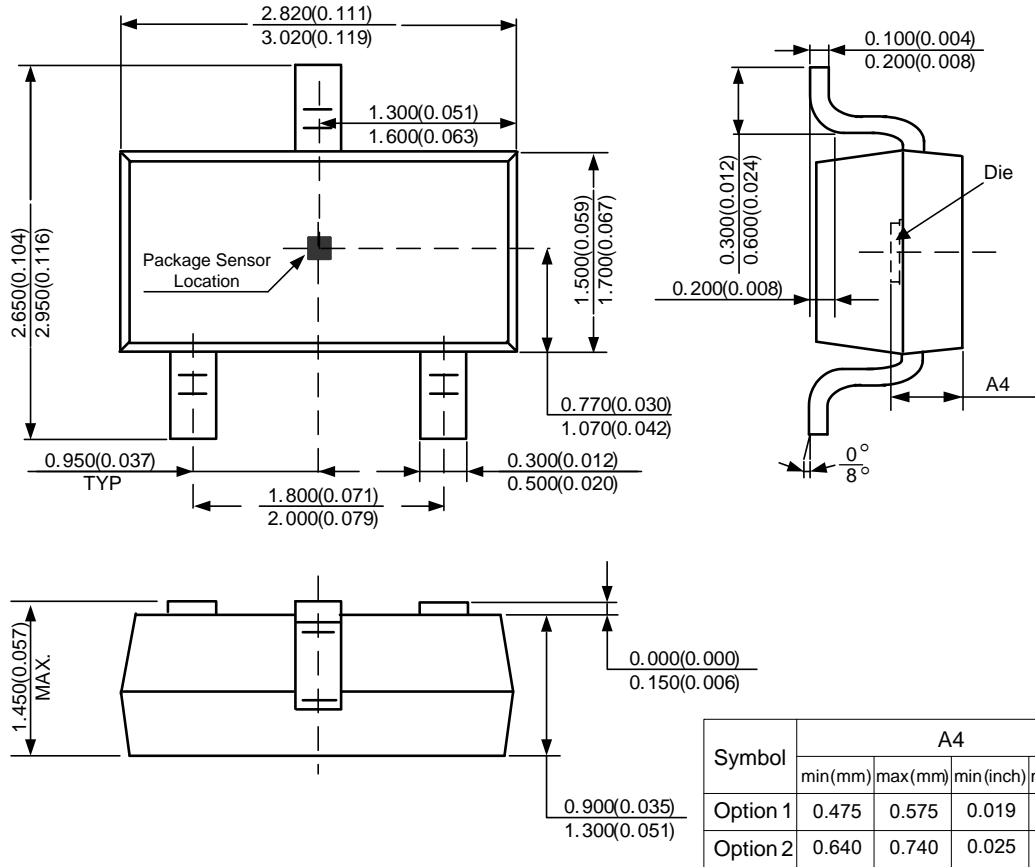


Packaging Information

Mechanical Dimensions

SOT-23-3(Only for AH922/AH922B/AH922C)

Unit: mm(inch)



Symbol	A4			
	min(mm)	max(mm)	min(inch)	max(inch)
Option 1	0.475	0.575	0.019	0.023
Option 2	0.640	0.740	0.025	0.029

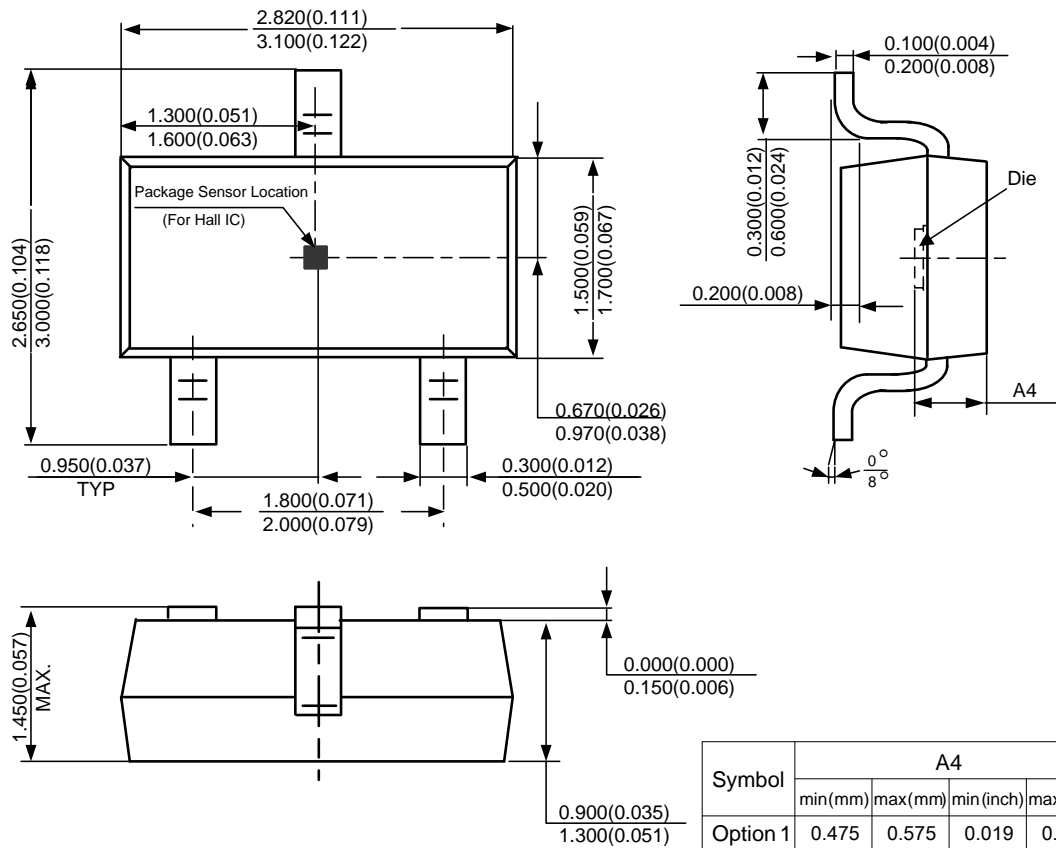


Packaging Information

Mechanical Dimensions

SOT-23-3(AH49F/AH49H)

Unit: mm(inch)



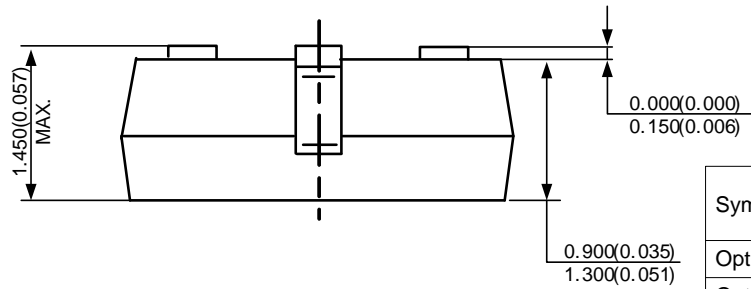
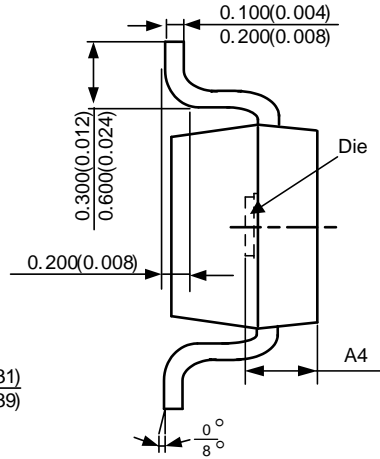
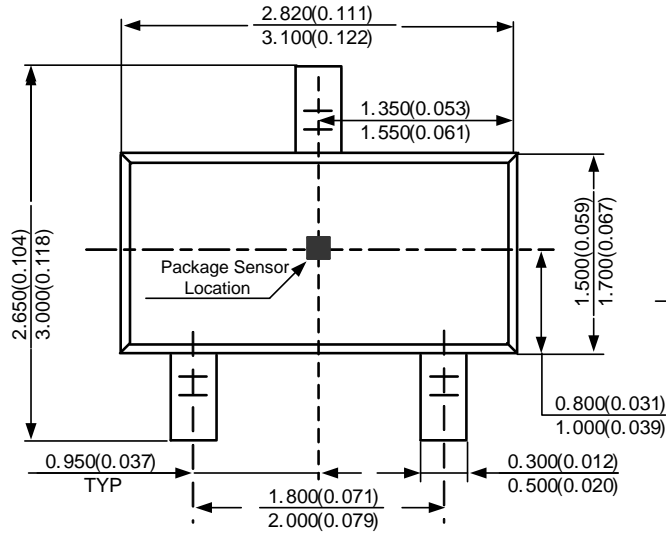


Packaging Information

Mechanical Dimensions

SOT-23-3(Only for AH9247)

Unit: mm(inch)



Symbol	A4			
	min (mm)	max (mm)	min (inch)	max (inch)
Option 1	0.475	0.575	0.019	0.023
Option 2	0.640	0.740	0.025	0.029

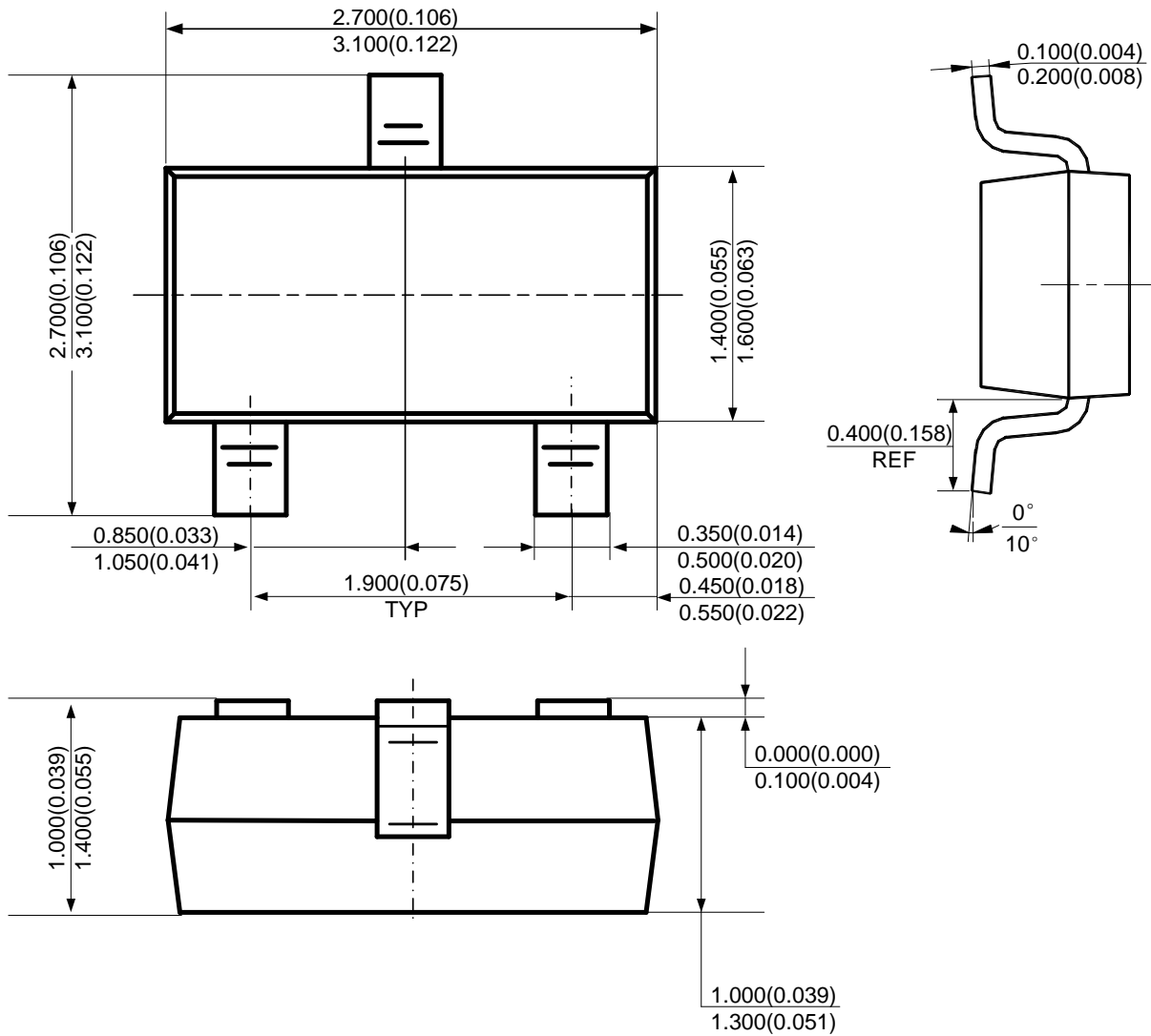


Packaging Information

Mechanical Dimensions

SOT-23-3(2)

Unit: mm(inch)



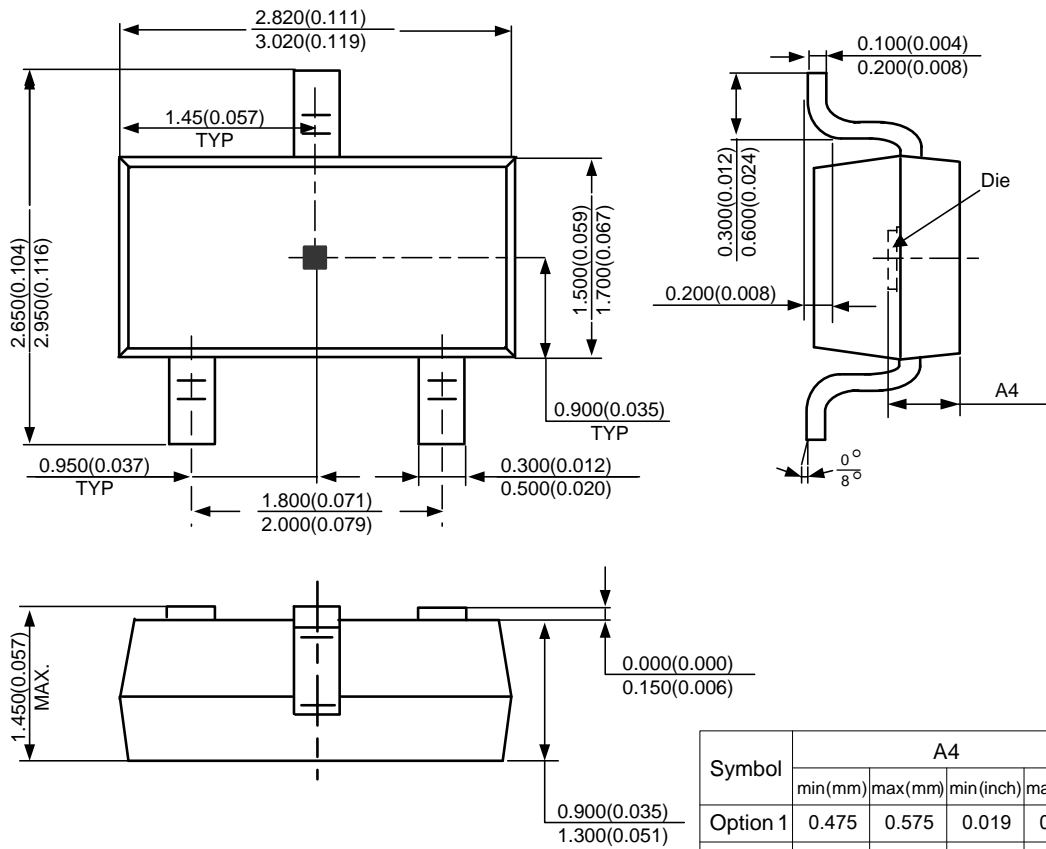


Packaging Information

Mechanical Dimensions

SOT-23-3 (Only for AH9248 and AH9249)

Unit: mm(inch)



Symbol	A4			
	min(mm)	max(mm)	min(inch)	max(inch)
Option 1	0.475	0.575	0.019	0.023
Option 2	0.640	0.740	0.025	0.029

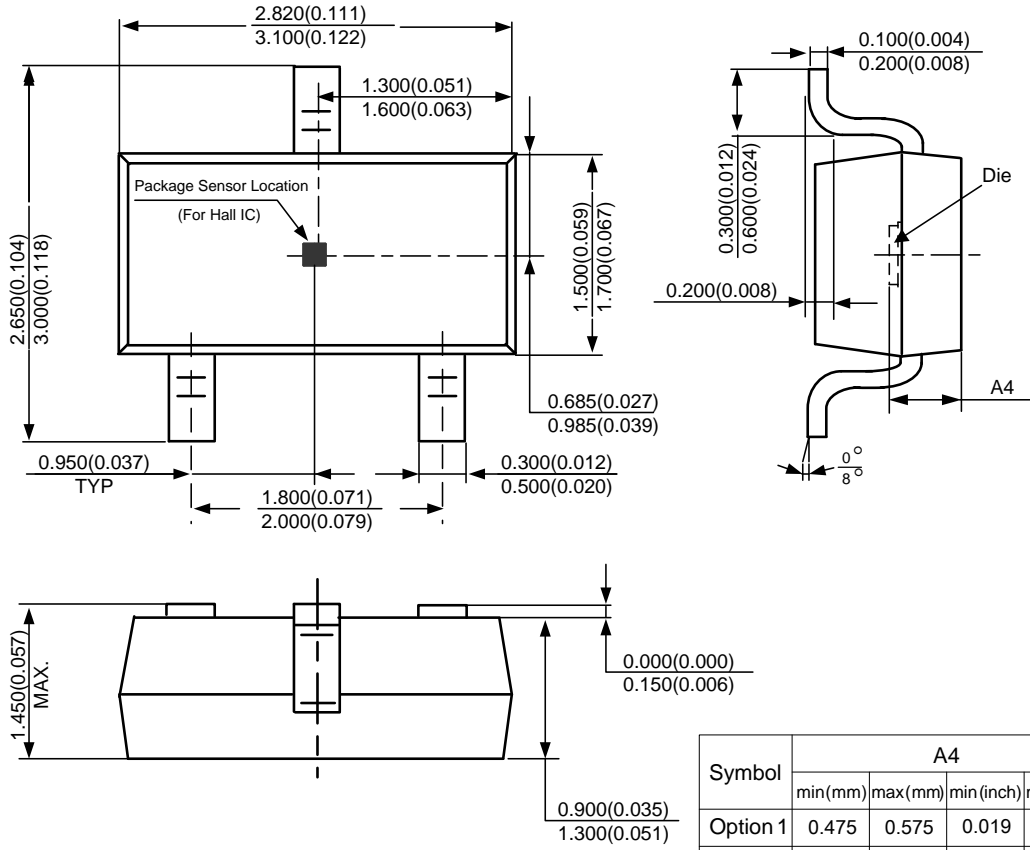


Packaging Information

Mechanical Dimensions

SOT-23-3 (Only for AH49E)

Unit: mm(inch)

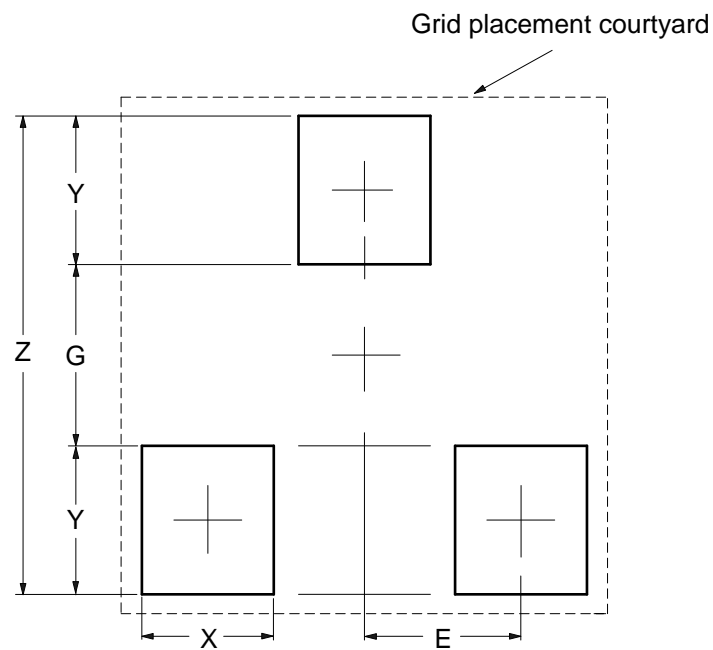


Symbol	A4			
	min(mm)	max(mm)	min(inch)	max(inch)
Option 1	0.475	0.575	0.019	0.023
Option 2	0.640	0.740	0.025	0.029

Packaging Information

Mounting Pad Layout

SOT-23



Dimensions	Z (mm)/(inch)	G (mm)/(inch)	X (mm)/(inch)	Y (mm)/(inch)	E (mm)/(inch)
Value	2.900/0.114	1.100/0.043	0.800/0.031	0.900/0.035	0.950/0.037

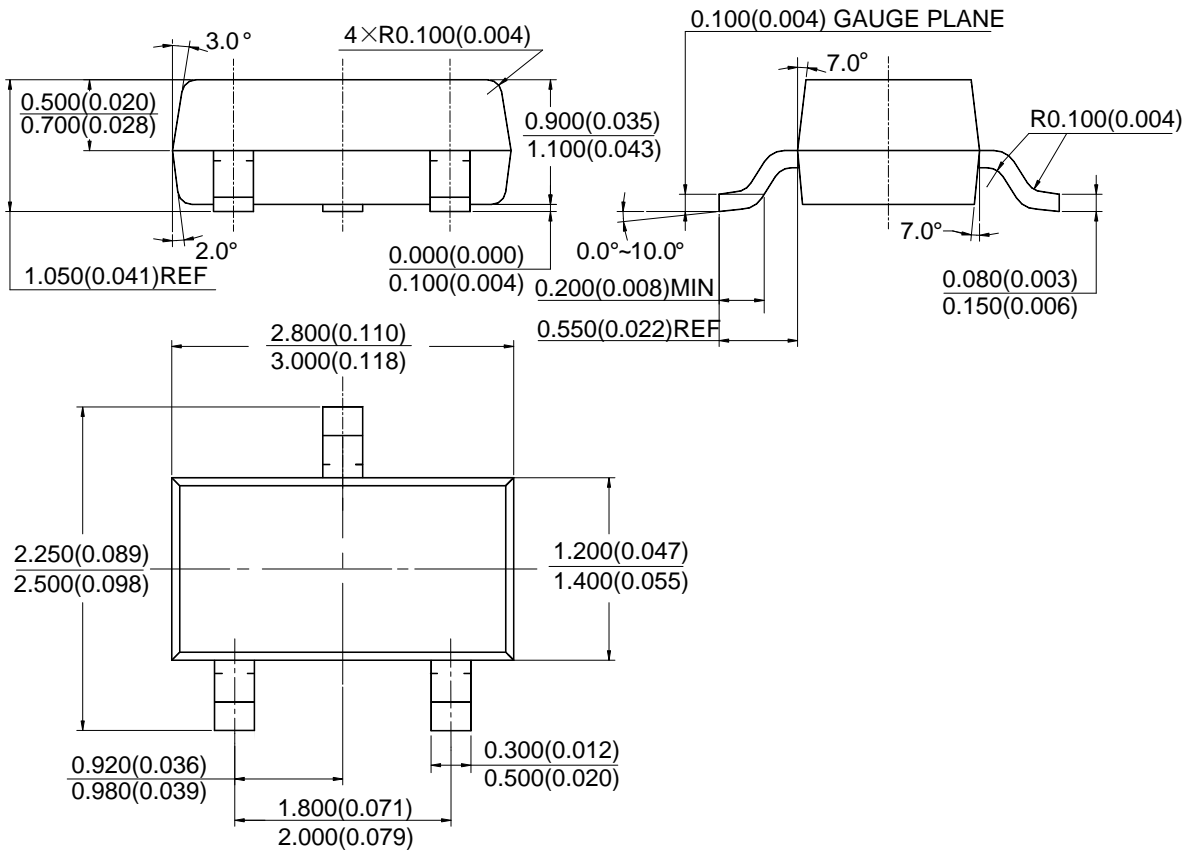


Packaging Information

Mechanical Dimensions

SOT-23 (Special for LG IT)

Unit: mm(inch)



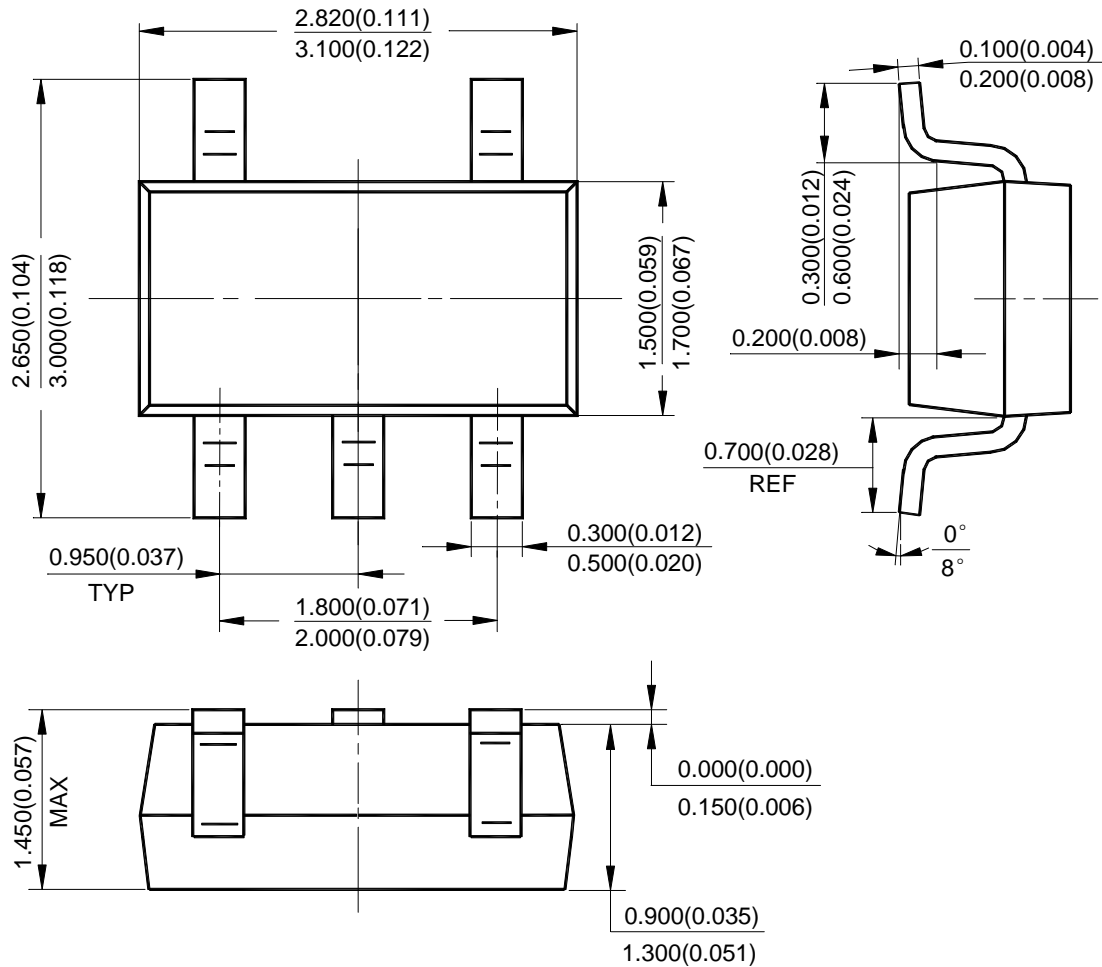


Packaging Information

Mechanical Dimensions

SOT-23-5 (Except ITVS)
New Product Changed to SOT25 (2013.10)

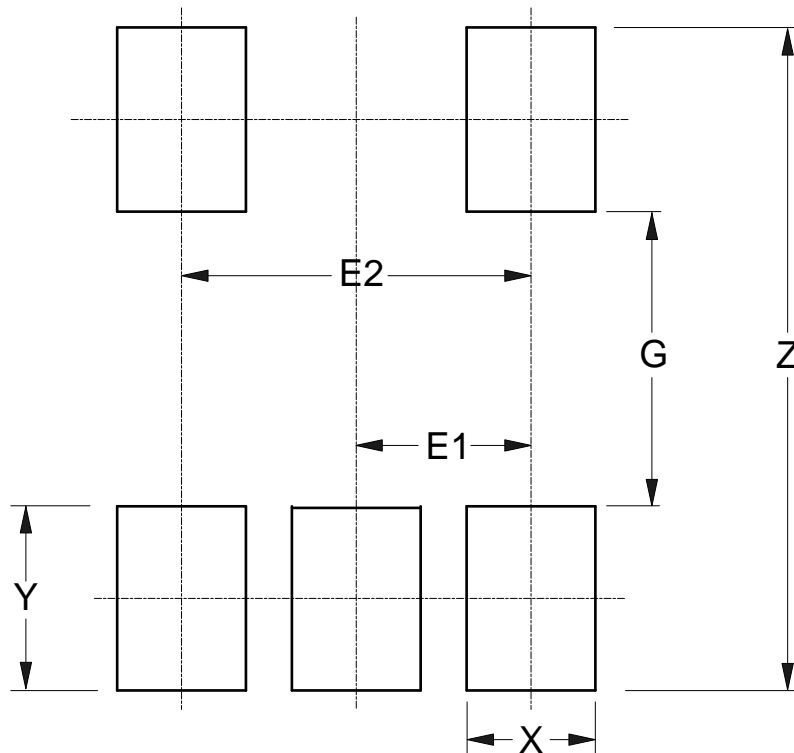
Unit: mm(inch)



Packaging Information

Mounting Pad Layout

SOT-23-5



Dimensions	Z (mm)/(inch)	G (mm)/(inch)	X (mm)/(inch)	Y (mm)/(inch)	E1 (mm)/(inch)	E2 (mm)/(inch)
Value	3.600/0.142	1.600/0.063	0.700/0.028	1.000/0.039	0.950/0.037	1.900/0.075

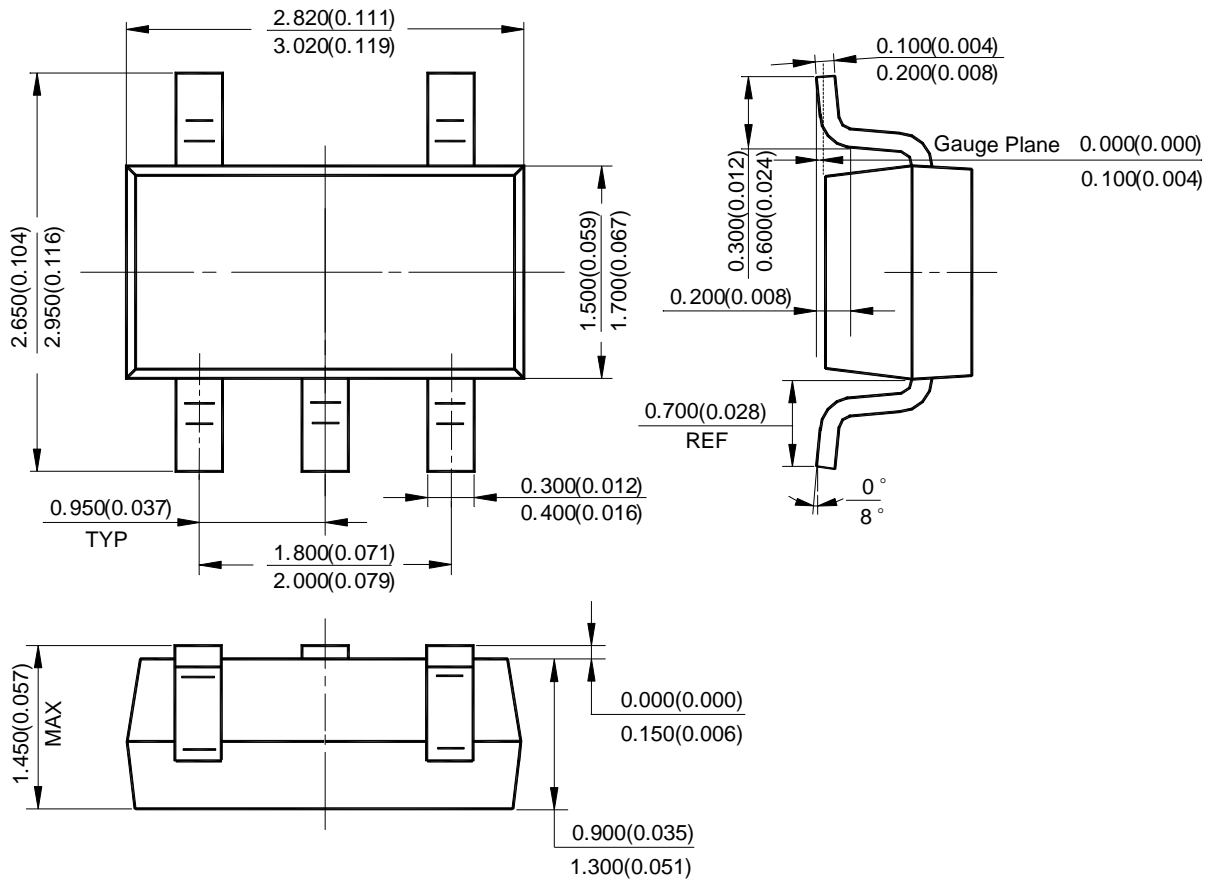


Packaging Information

Mechanical Dimensions

SOT-23-5 (Only for AP2128 special datasheet)

Unit: mm(inch)





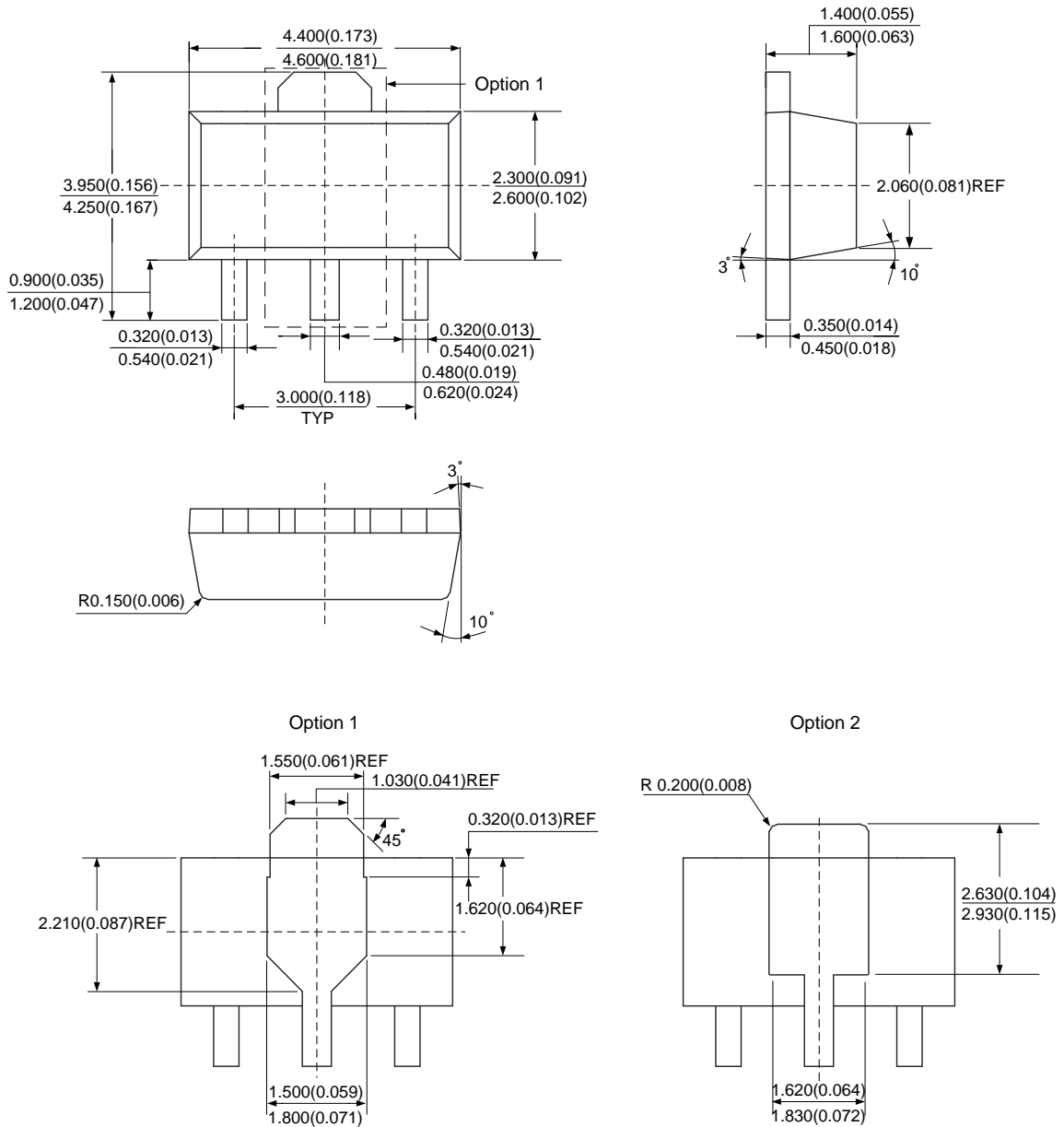
Packaging Information

Mechanical Dimensions

SOT-89

Unit: mm(inch)

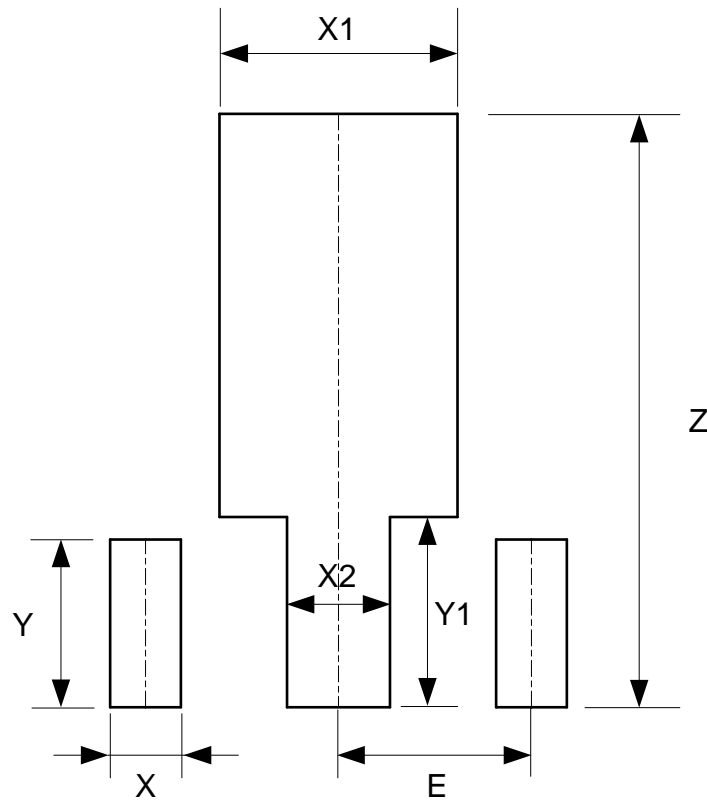
New Product Changed to SOT89 (2013.10)



Packaging Information

Mounting Pad Layout

SOT-89



Dimens ions	Z (mm)/(inch)	X (mm)/(inch)	X1 (mm)/(inch)	X2 (mm)/(inch)	Y (mm)/(inch)	Y1 (mm)/(inch)	E (mm)/(inch)
Value	4.600/0.181	0.550/0.022	1.850/0.073	0.800/0.031	1.300/0.051	1.475/0.058	1.500/0.059



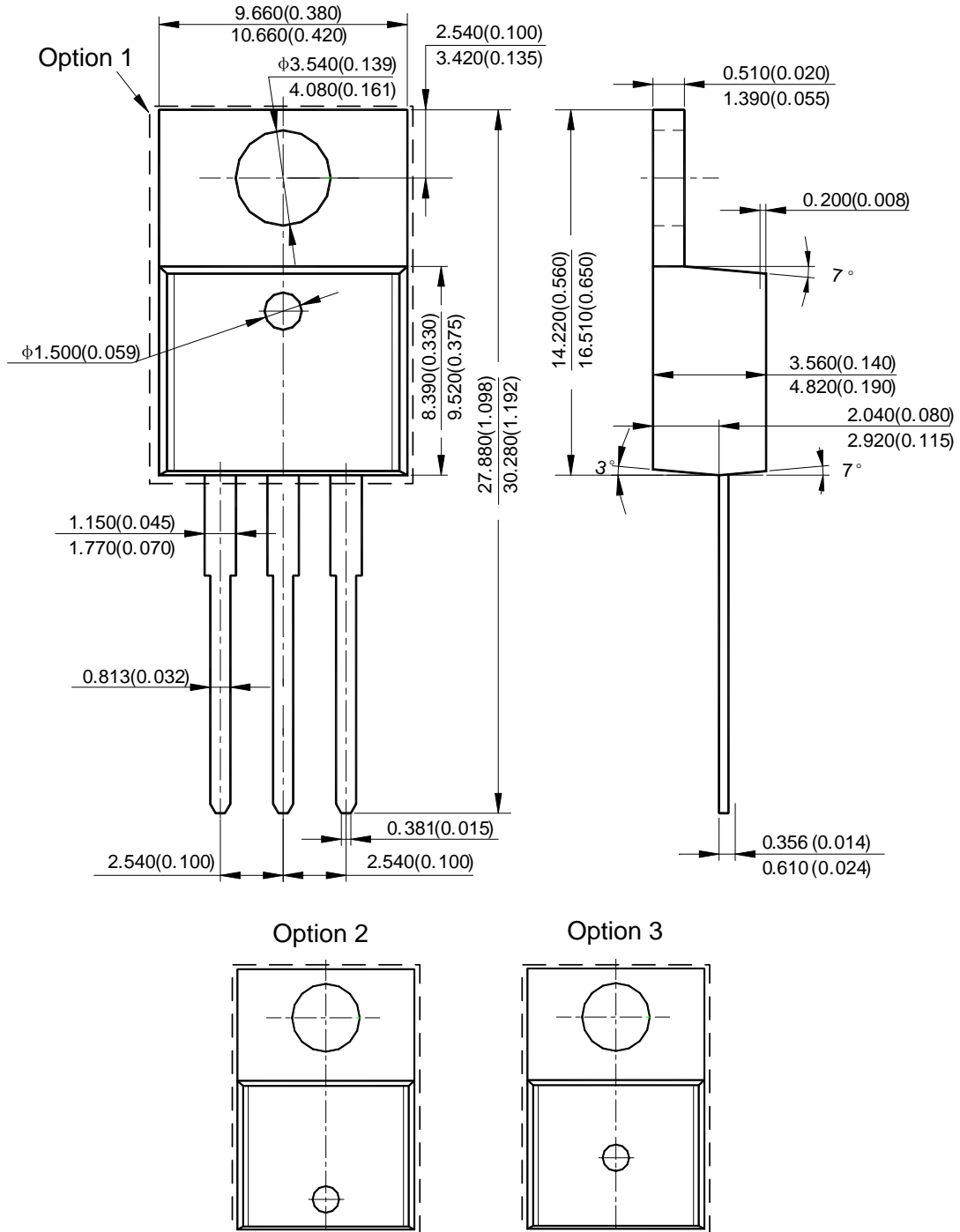
Packaging Information

Mechanical Dimensions

TO-220-3

Unit: mm(inch)

New Product Changed to TO220-3 (2013.10)



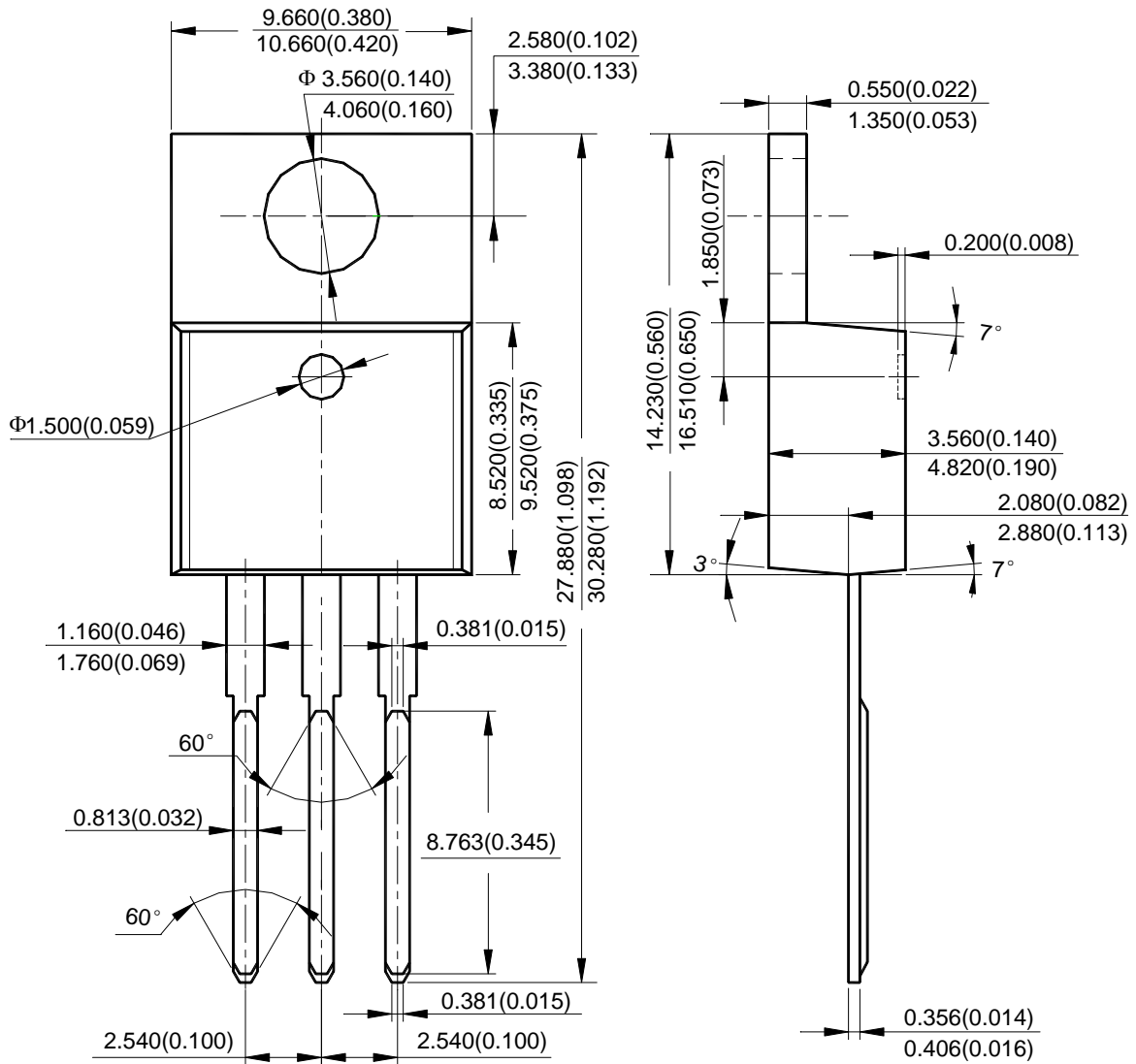


Packaging Information

Mechanical Dimensions

TO-220-3(u)

Unit: mm(inch)



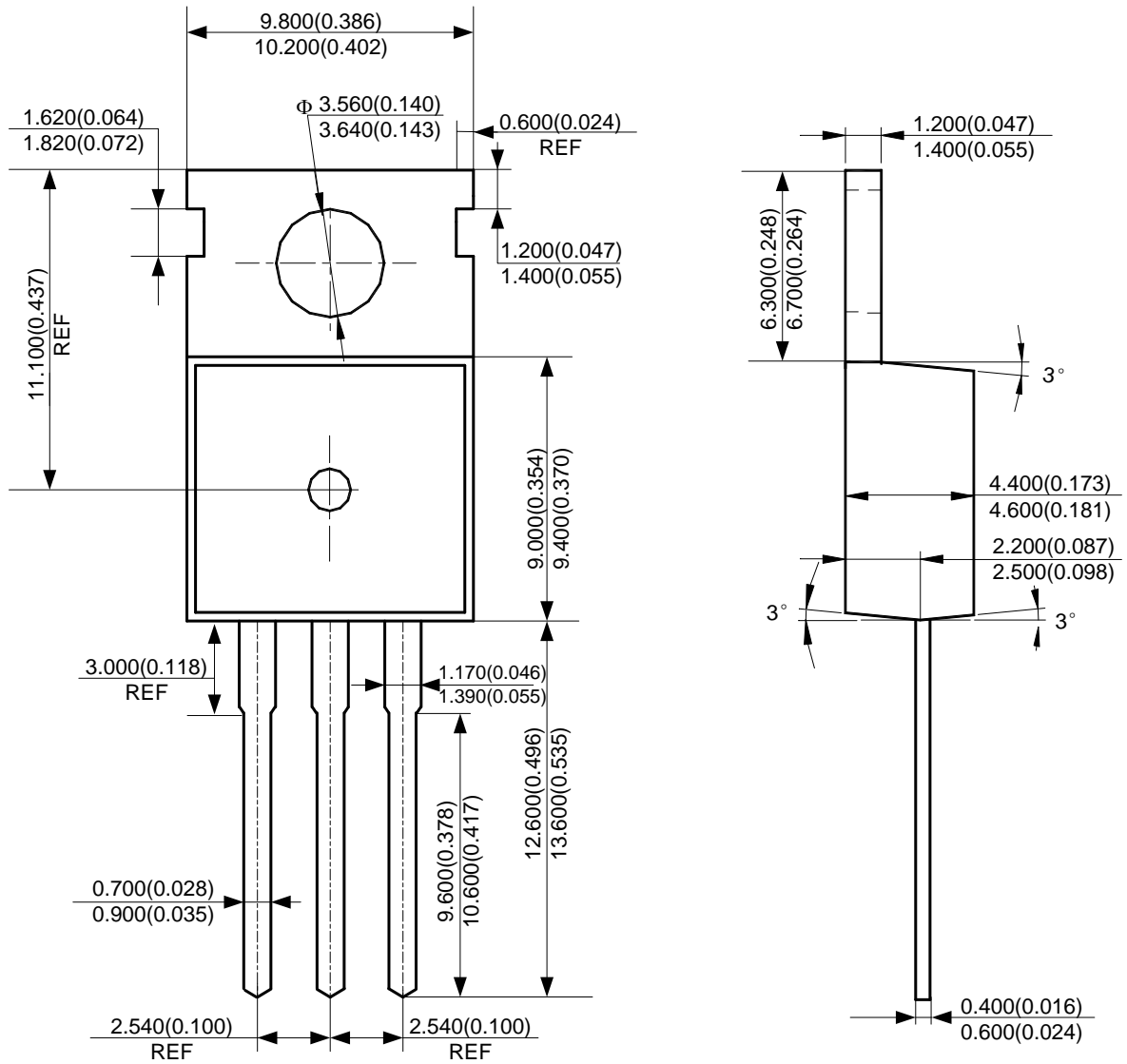


Packaging Information

Mechanical Dimensions

TO-220-3(2)

Unit: mm(inch)



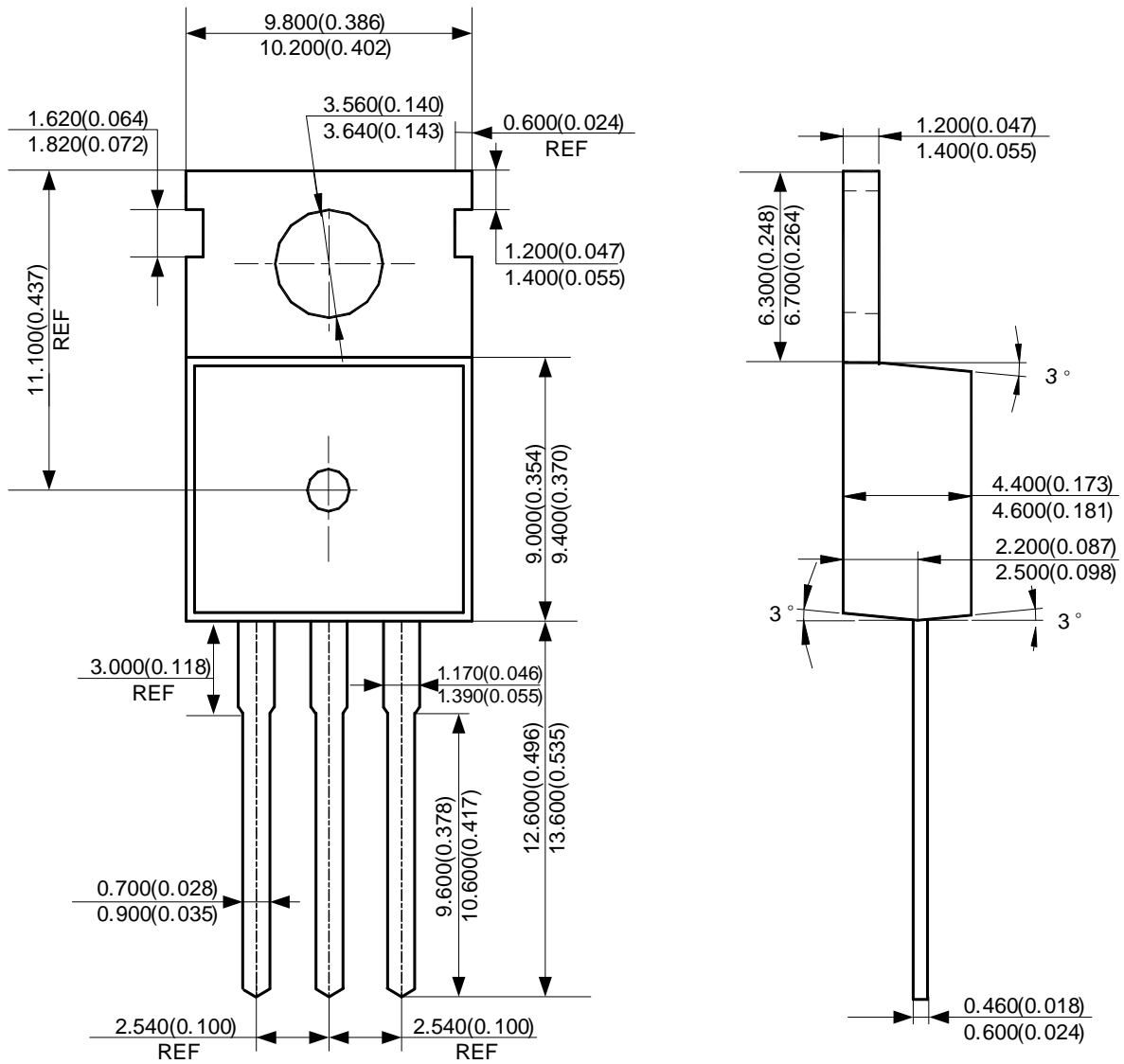


Packaging Information

Mechanical Dimensions

TO-220-3(2) Special for Gree

Unit: mm(inch)



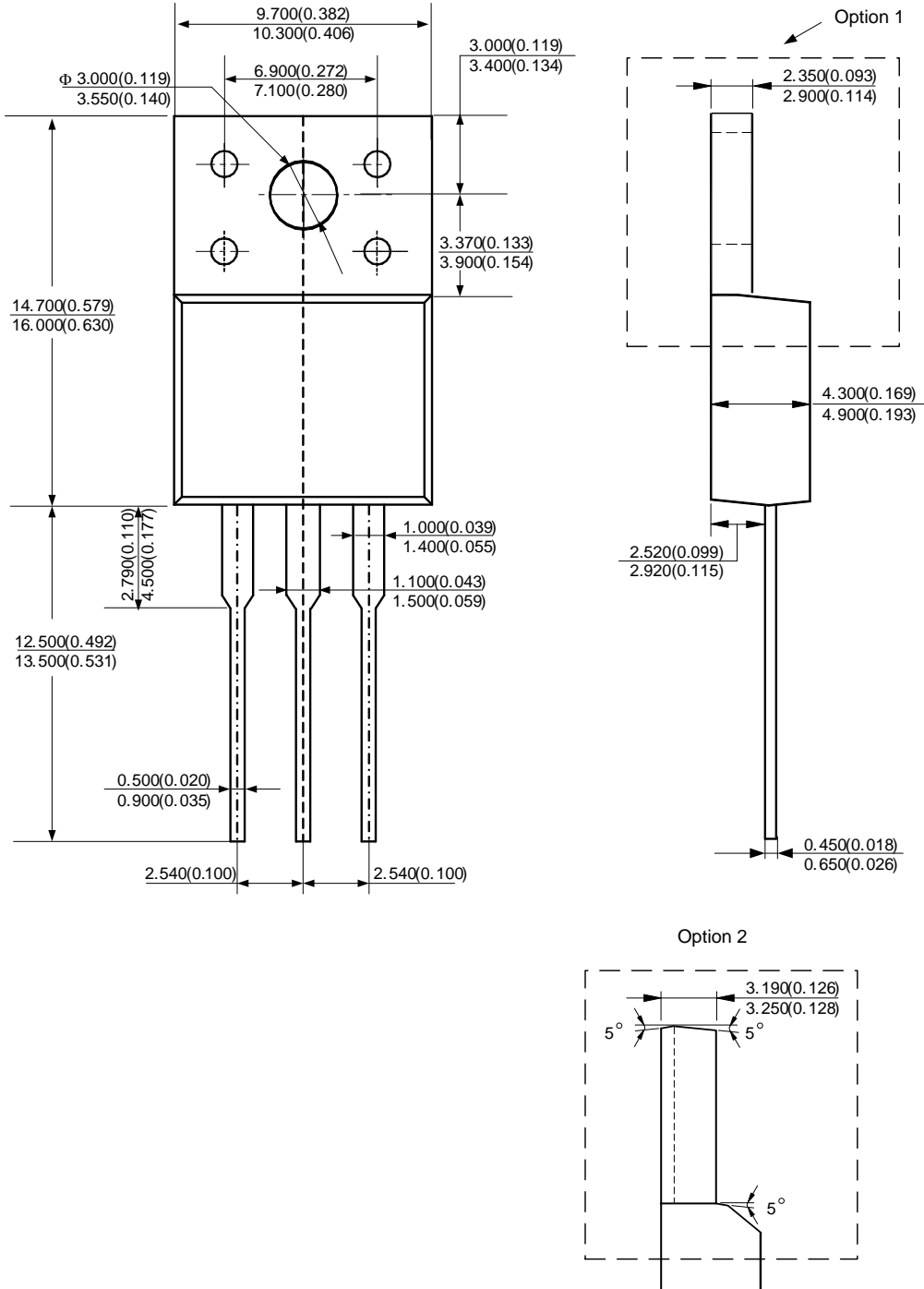


Packaging Information

Mechanical Dimensions

TO-220F-3

Unit: mm(inch)

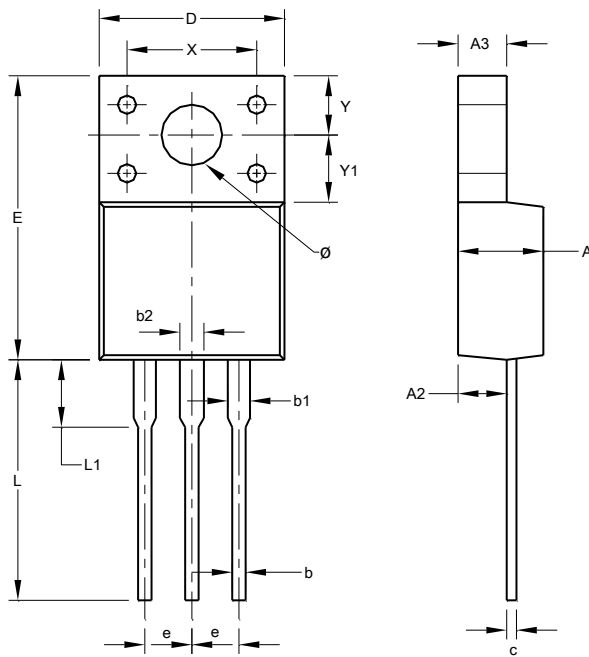


Packaging Information

Mechanical Dimensions

TO220F-3

Unit: mm(inch)



TO220F-3			
Dim	Min	Max	Typ
A	4.300	4.900	-
A2	2.520	2.920	-
A3	2.350	2.900	-
b	0.550	0.900	-
b1	1.000	1.400	-
b2	1.100	1.500	-
c	0.500	0.700	-
D	9.70	10.30	-
E	14.70	16.00	-
e	-	-	2.540
L	12.50	13.50	-
L1	2.790	4.500	-
X	6.90	7.10	-
Y	2.900	3.300	-
Y1	3.370	3.970	-
∅	3.000	3.550	-
All Dimensions in mm			



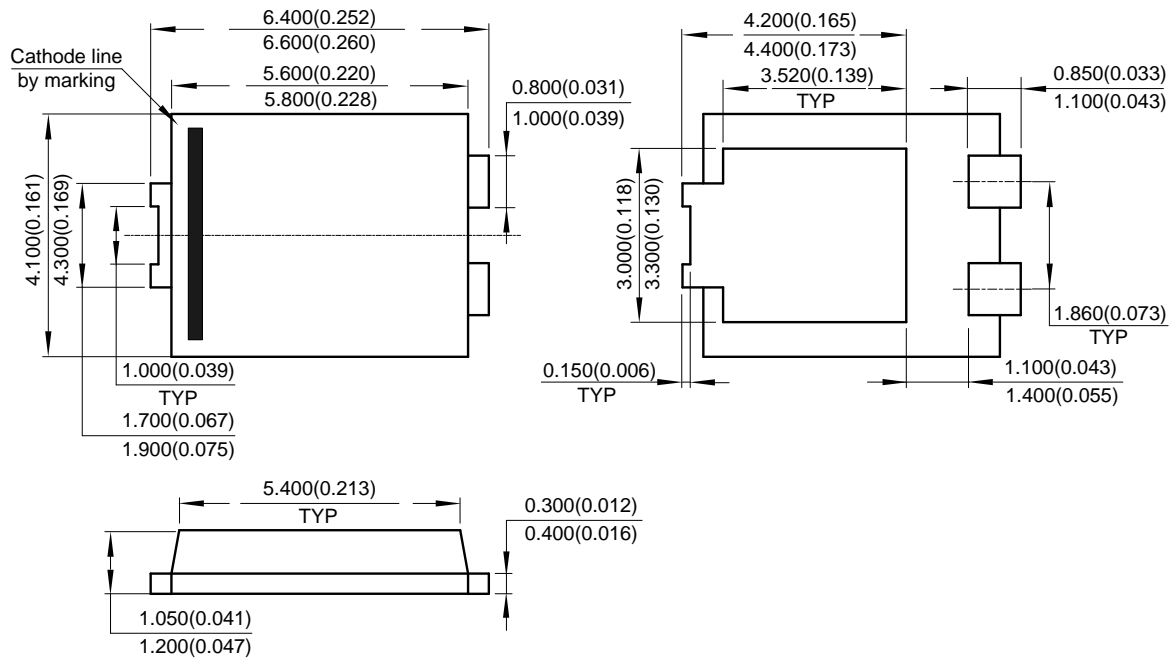
Packaging Information

Mechanical Dimensions

TO-277

Unit: mm(inch)

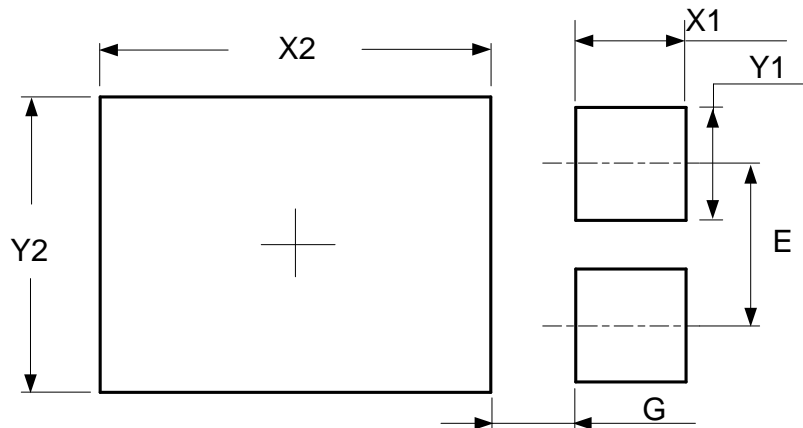
New Product Changed to TO277 (2013.10)



Packaging Information

Mounting Pad Layout

TO-277



Dimensions	X1=Y1 mm(inch)	X2 mm(inch)	Y2 mm(inch)	E mm(inch)	G mm(inch)
Value	1.300(0.051)	4.600(0.181)	3.400((0.134)	1.860(0.073)	1.000(0.039)

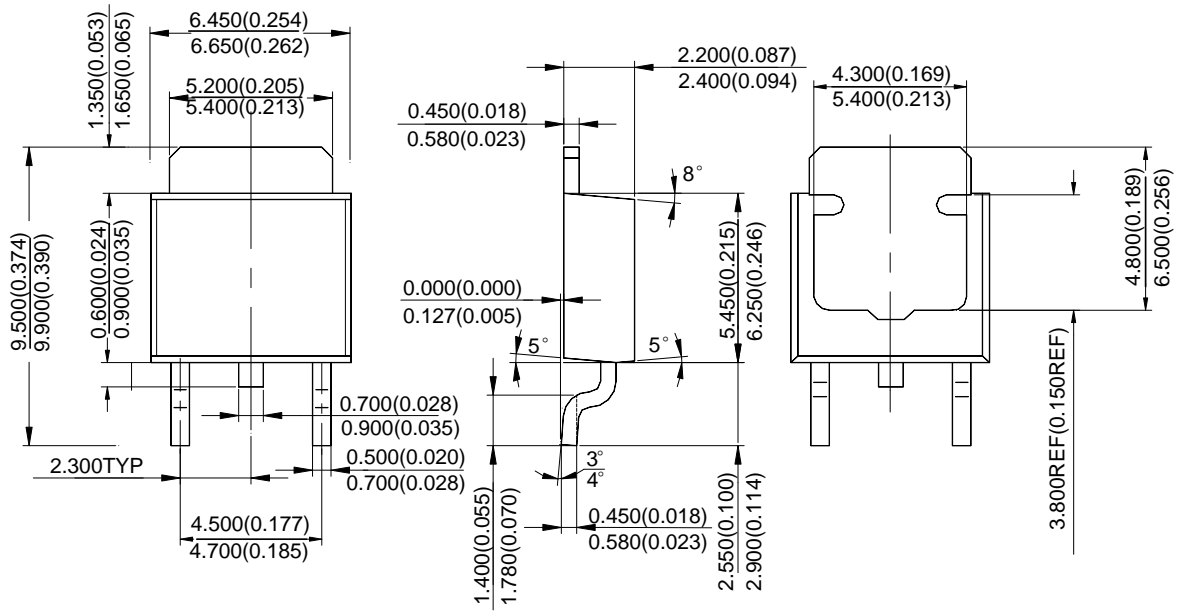


Packaging Information

Mechanical Dimensions

TO-252-2(1)

Unit: mm(inch)



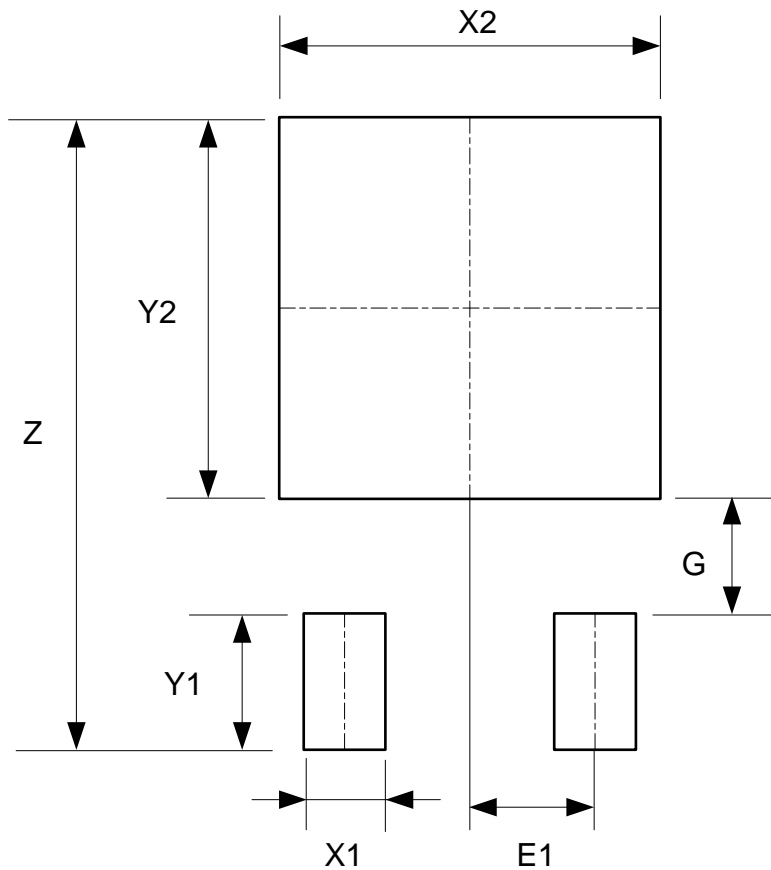


Packaging Information

Mounting Pad Layout

TO-252-2(1)

Unit: mm(inch)



Dimensions	Z (mm)/(inch)	X1 (mm)/(inch)	X2=Y2 (mm)/(inch)	Y1 (mm)/(inch)	G (mm)/(inch)	E1 (mm)/(inch)
Value	11.600/0.457	1.500/0.059	7.000/0.276	2.500/0.098	2.100/0.083	2.300/0.091

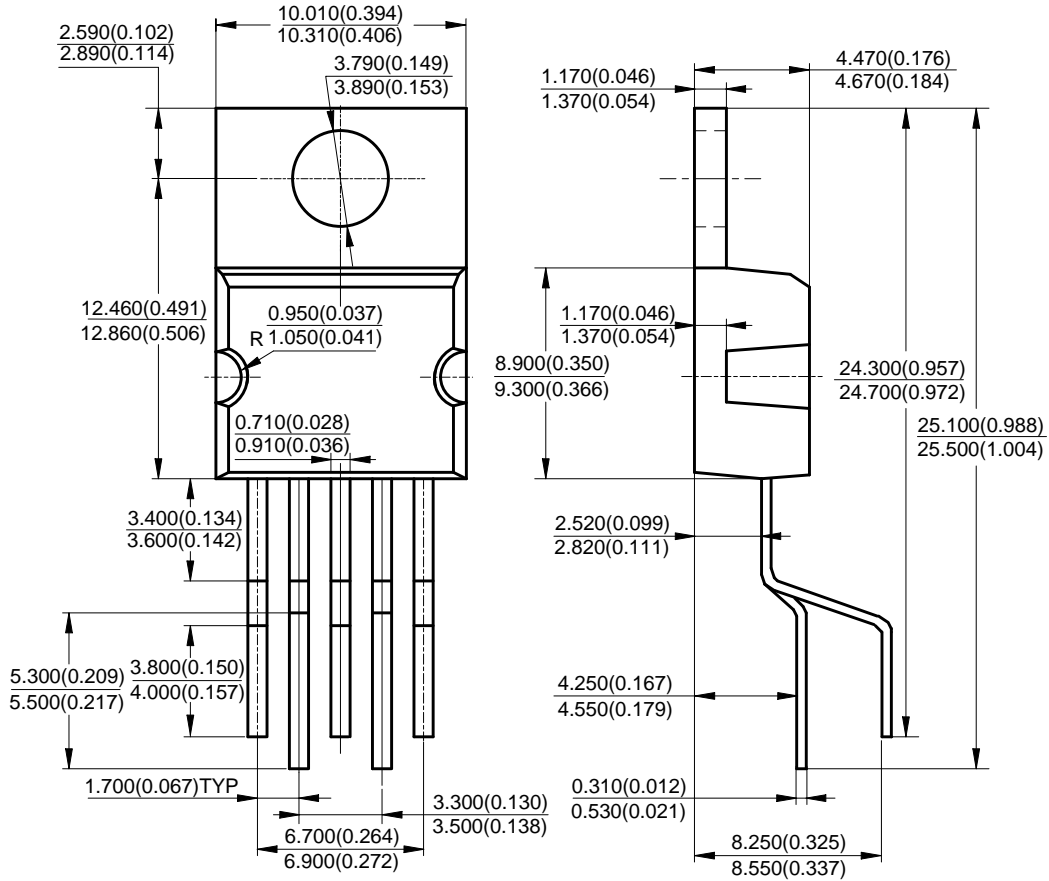


Packaging Information

Mechanical Dimensions

TO-220B-5

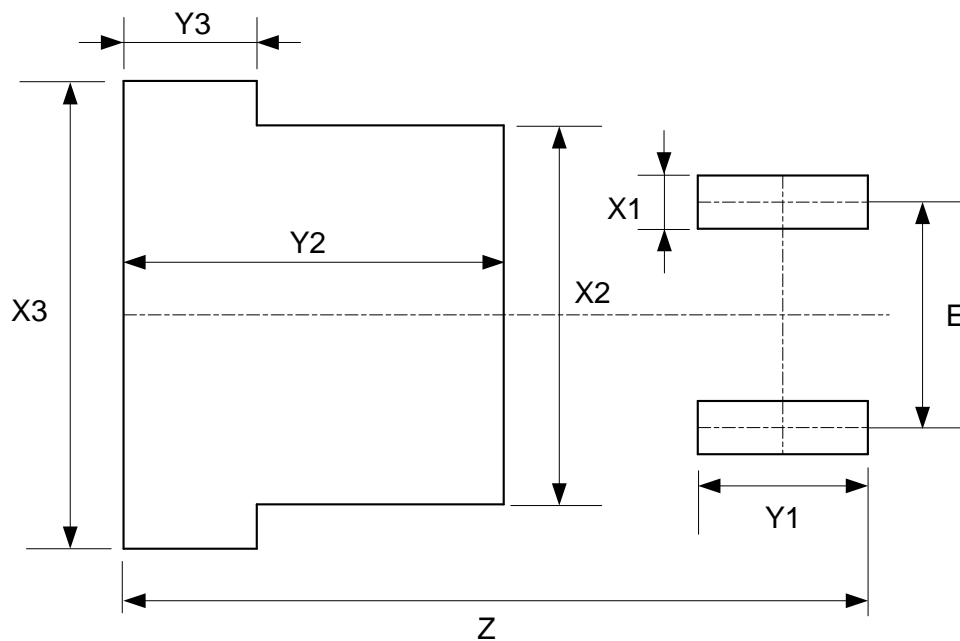
Unit: mm(inch)



Packaging Information

Mounting Pad Layout

TO-263-2



Dimensions	Z (mm)/(inch)	X1 (mm)/(inch)	X2 (mm)/(inch)	X3 (mm)/(inch)
Value	16.760/0.660	1.200/0.047	8.540/0.336	10.540/0.415
Dimensions	Y1 (mm)/(inch)	Y2 (mm)/(inch)	Y3 (mm)/(inch)	E (mm)/(inch)
Value	3.830/0.151	8.560/0.337	3.000/0.118	5.080/0.200

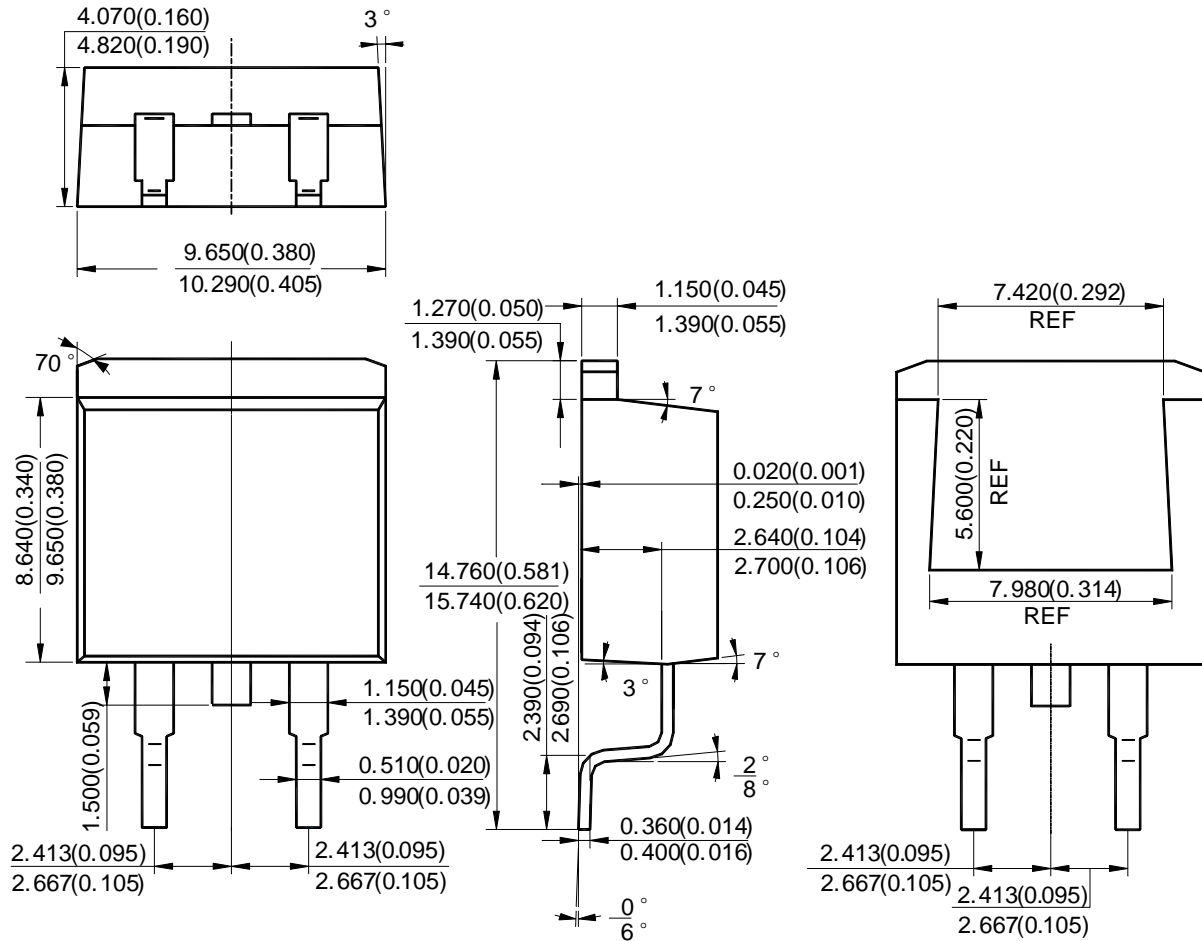


Packaging Information

Mechanical Dimensions

TO-263-2 (Special for LG)

Unit: mm(inch)





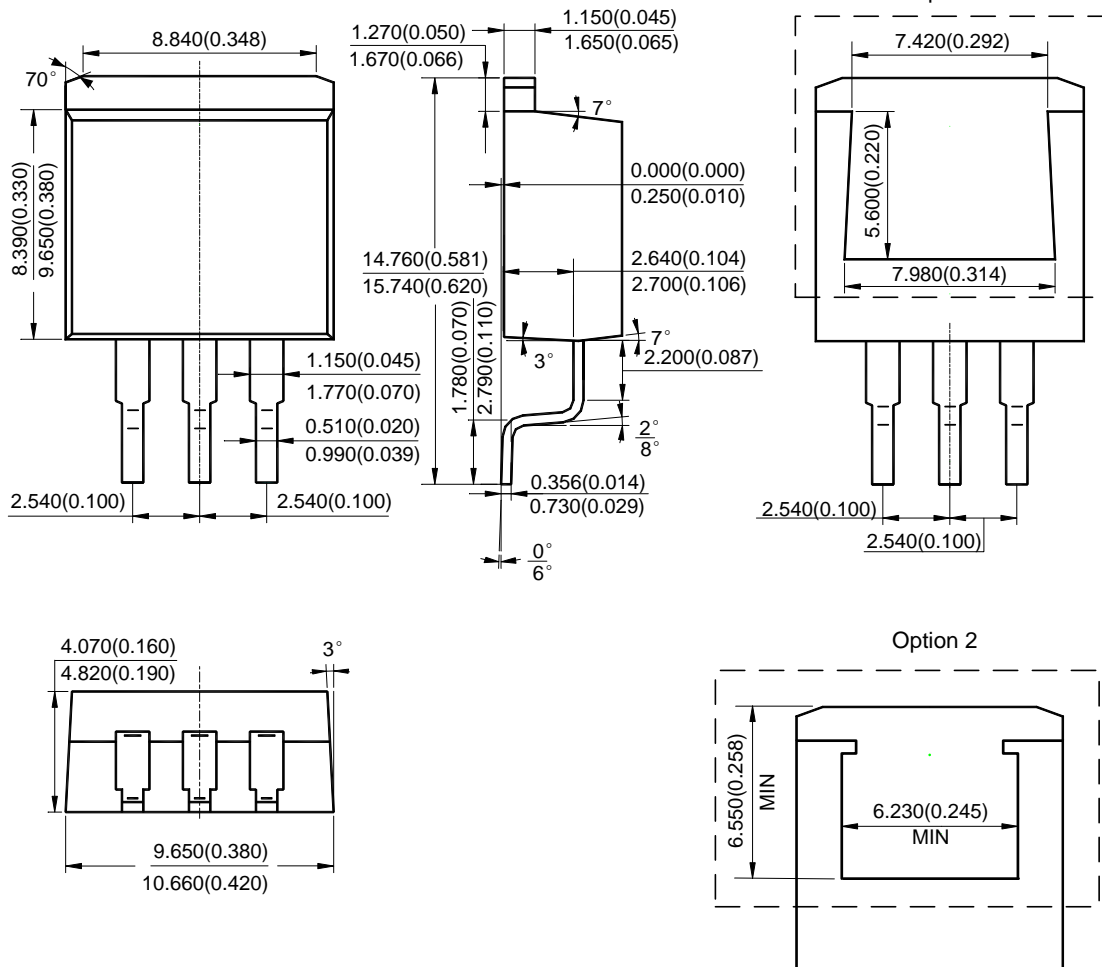
Packaging Information

Mechanical Dimensions

TO-263-3

Unit: mm(inch)

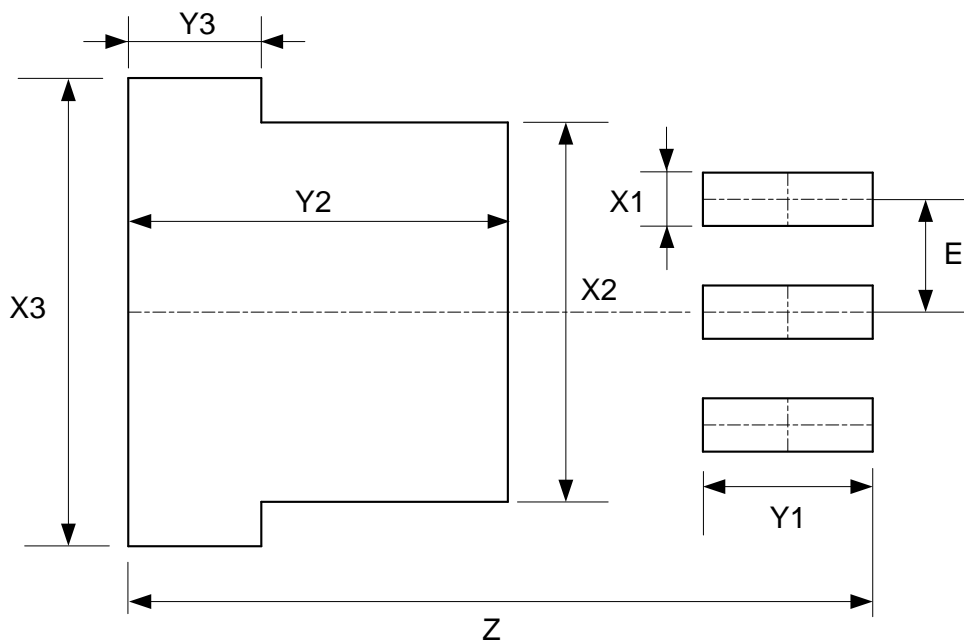
New Product Changed to TO263 (2013.10)



Packaging Information

Mounting Pad Layout

TO-263-3



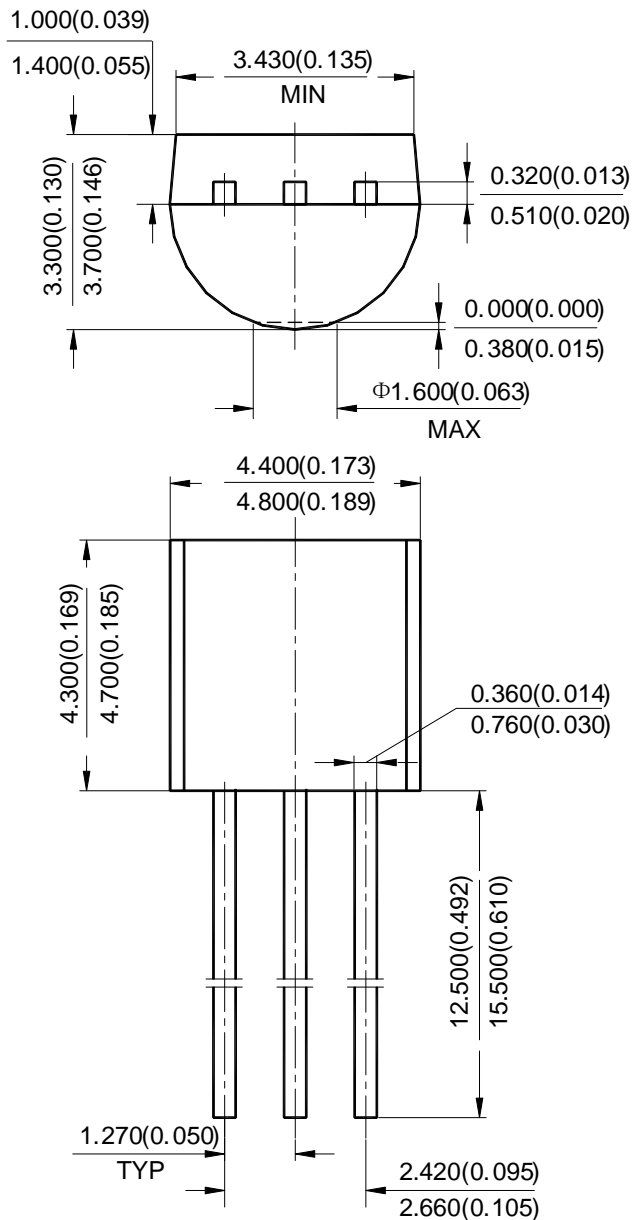
Dimensions	Z (mm)/(inch)	X1 (mm)/(inch)	X2 (mm)/(inch)	X3 (mm)/(inch)
Value	16.760/0.660	1.200/0.047	8.540/0.336	10.540/0.415
Dimensions	Y1 (mm)/(inch)	Y2 (mm)/(inch)	Y3 (mm)/(inch)	E (mm)/(inch)
Value	3.830/0.151	8.560/0.337	3.000/0.118	2.540/0.100



Packaging Information

Mechanical Dimensions

TO-92(Bulk Packing) **Unit: mm(inch)**
New Product Changed to TO92(Bulk Packing) (2013.10)



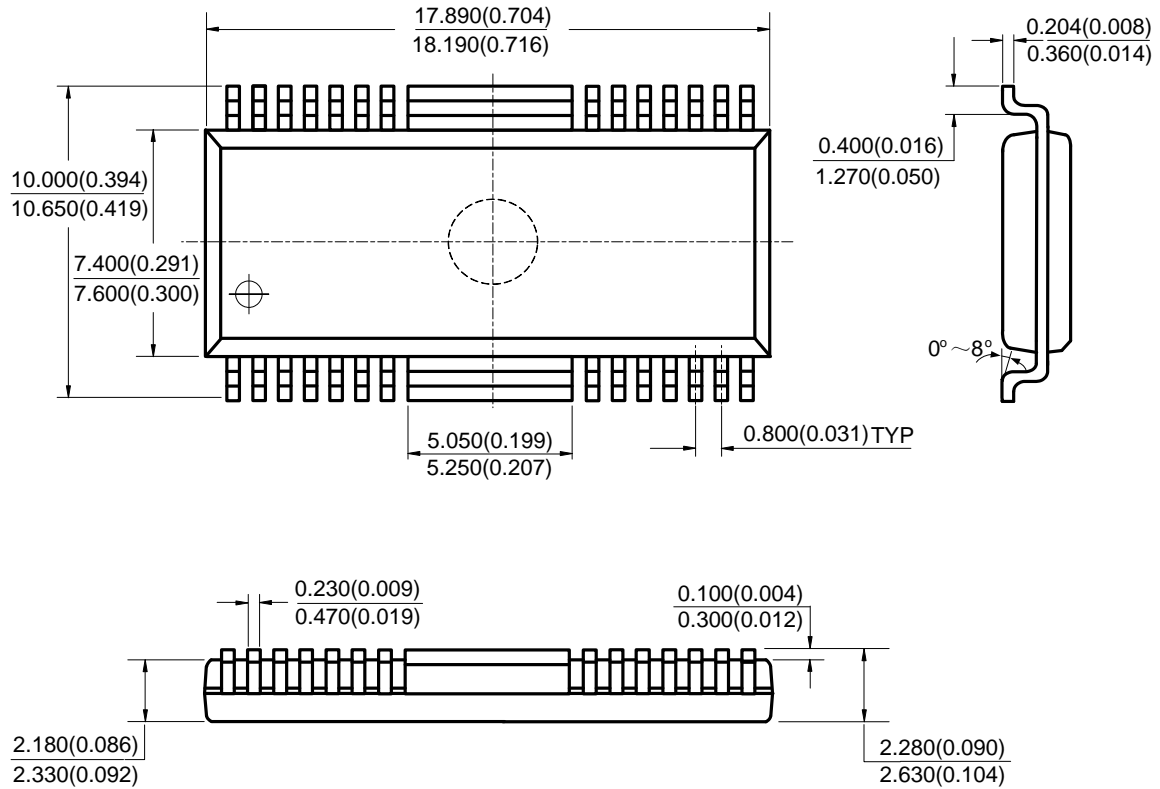


Packaging Information

Mechanical Dimensions

HSOP-28

Unit: mm(inch)



Note: Eject hole, oriented hole and mold mark is optional.

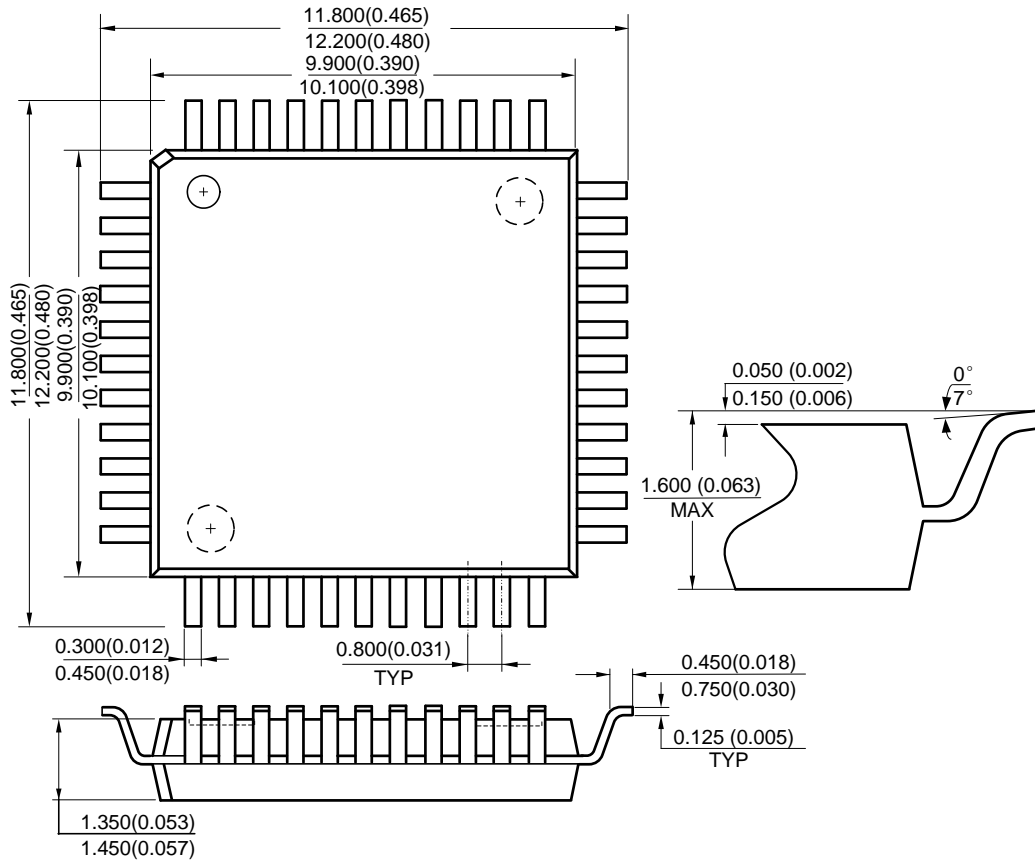


Packaging Information

Mechanical Dimensions

LQFP-44

Unit: mm(inch)



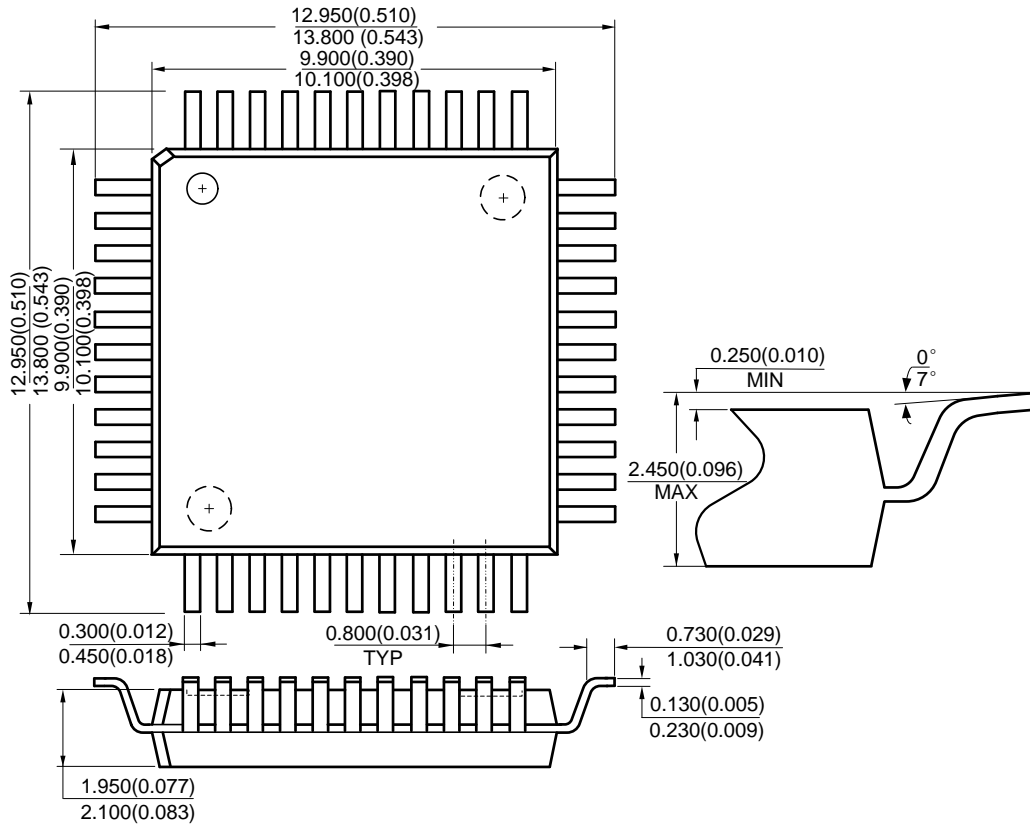


Packaging Information

Mechanical Dimensions

PQFP-44

Unit: mm(inch)



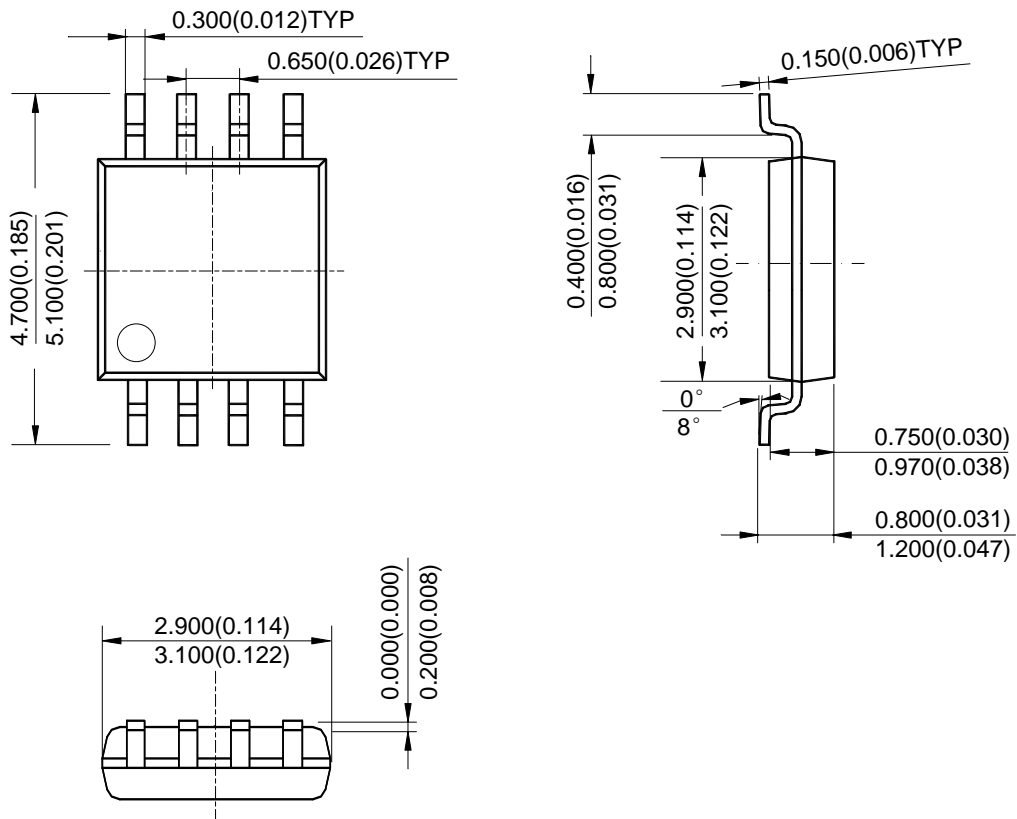


Packaging Information

Mechanical Dimensions

MSOP-8

Unit: mm(inch)



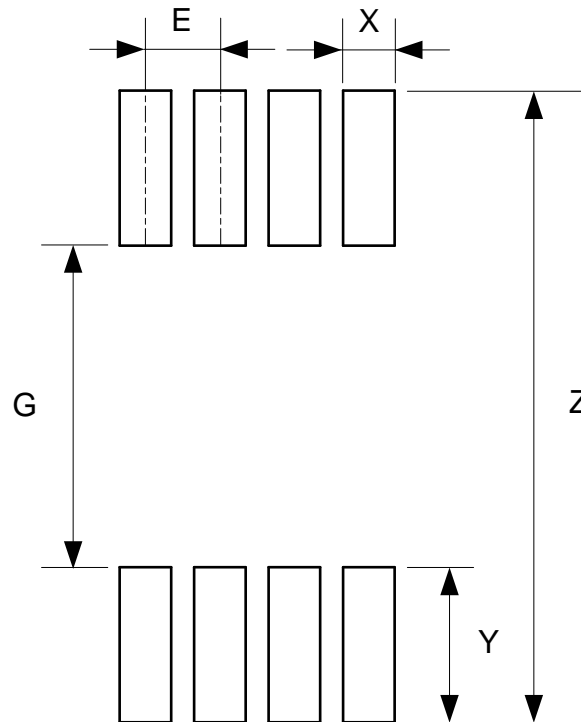
Note: Eject hole, oriented hole and mold mark is optional.



Packaging Information

Mounting Pad Layout

MSOP-8



Dimensions	Z (mm)/(inch)	G (mm)/(inch)	X (mm)/(inch)	Y (mm)/(inch)	E (mm)/(inch)
Value	5.500/0.217	2.800/0.110	0.450/0.018	1.350/0.053	0.650/0.026

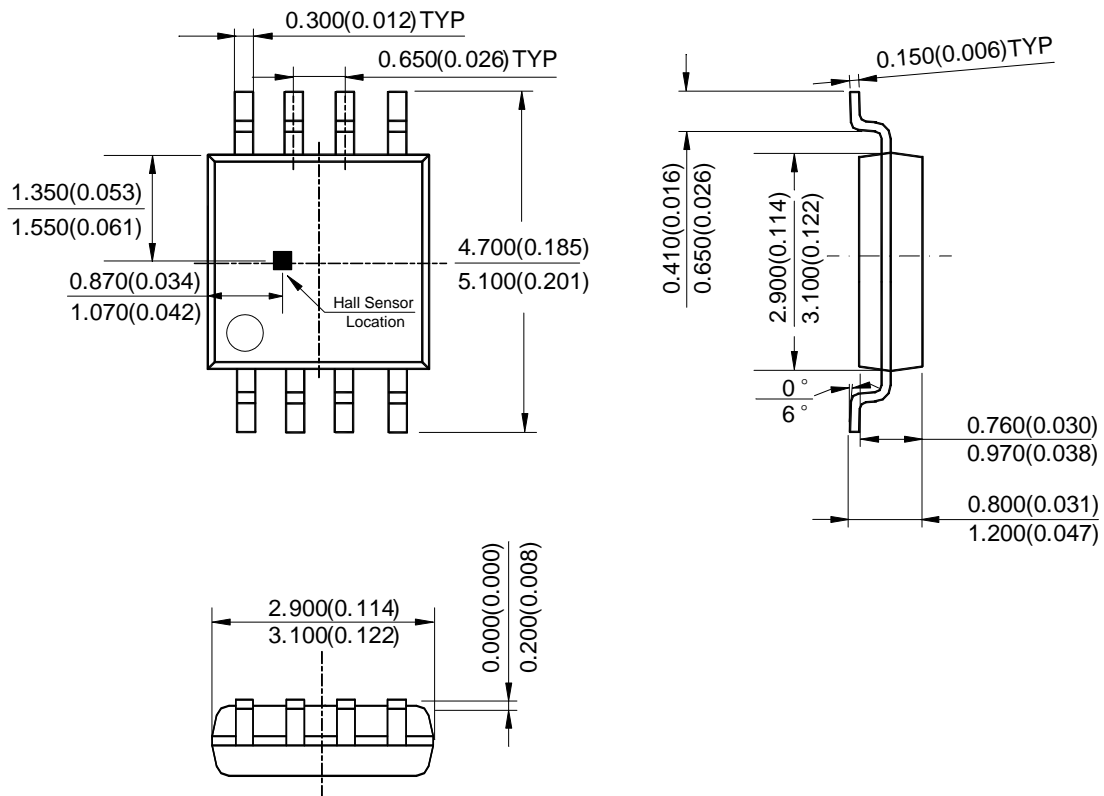


Packaging Information

Mechanical Dimensions

MSOP-8 (Only for AH9480 and AH9481)

Unit: mm(inch)



Note: Eject hole , oriented hole and mold mark is optional

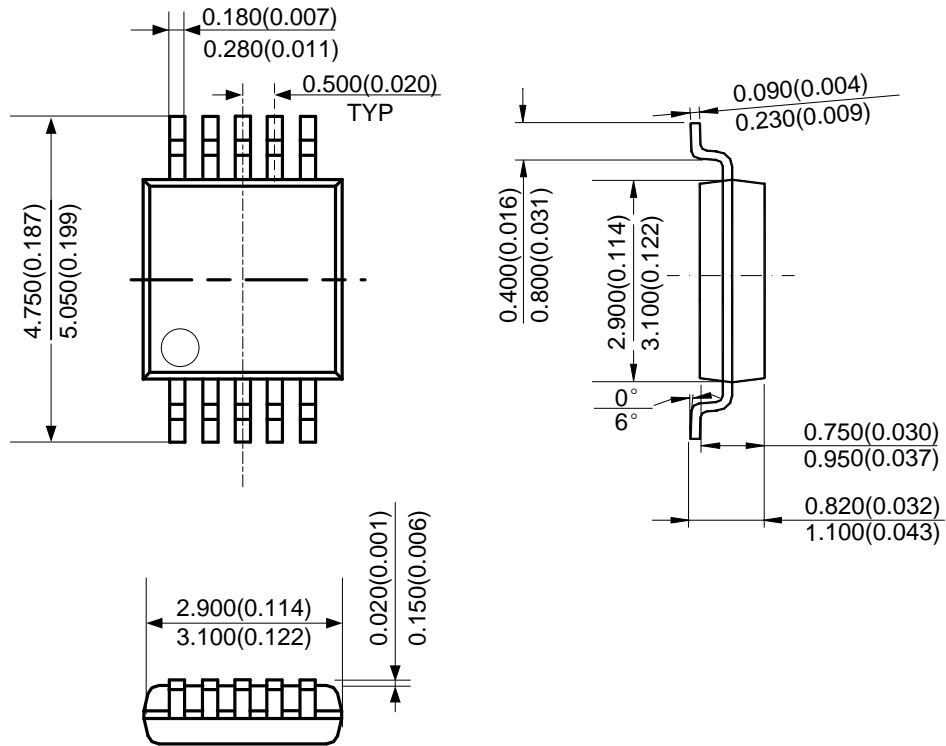


Packaging Information

Mechanical Dimensions

MSOP-10

Unit: mm(inch)

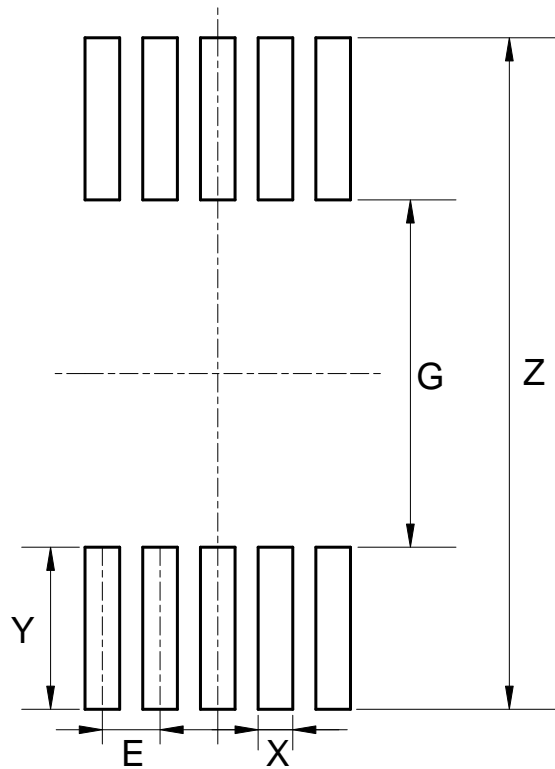


Note: Eject hole, oriented hole and mold mark is optional.

Packaging Information

Mounting Pad Layout

MSOP-10



Dimensions	Z (mm)/(inch)	G (mm)/(inch)	X (mm)/(inch)	Y (mm)/(inch)	E (mm)/(inch)
Value	5.800/0.228	3.000/0.118	0.300/0.012	1.400/0.055	0.500/0.020

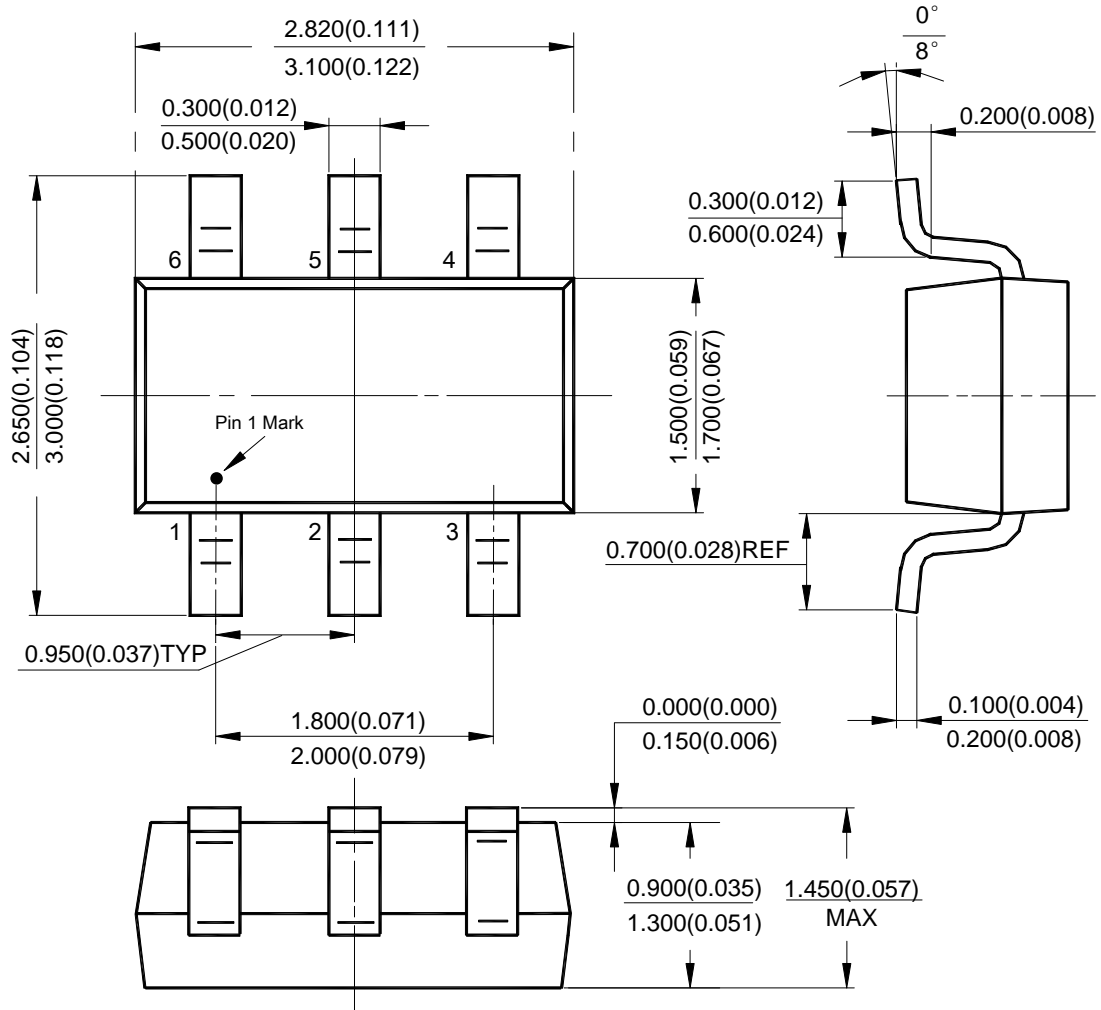


Packaging Information

Mechanical Dimensions

SOT-23-6 (Except ITVS)
New Product Changed to SOT26 (2013.10)

Unit: mm(inch)

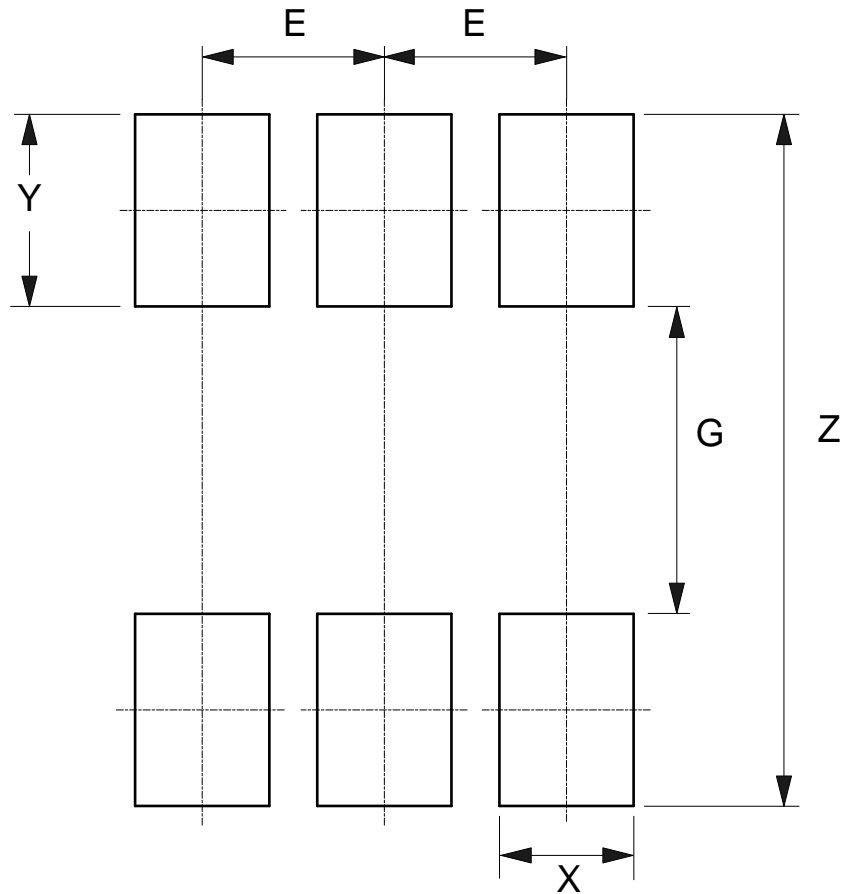




Packaging Information

Mounting Pad Layout

SOT-23-6



Dimensions	Z (mm)/(inch)	G (mm)/(inch)	X (mm)/(inch)	Y (mm)/(inch)	E (mm)/(inch)
Value	3.600/0.142	1.600/0.063	0.700/0.028	1.000/0.039	0.950/0.037

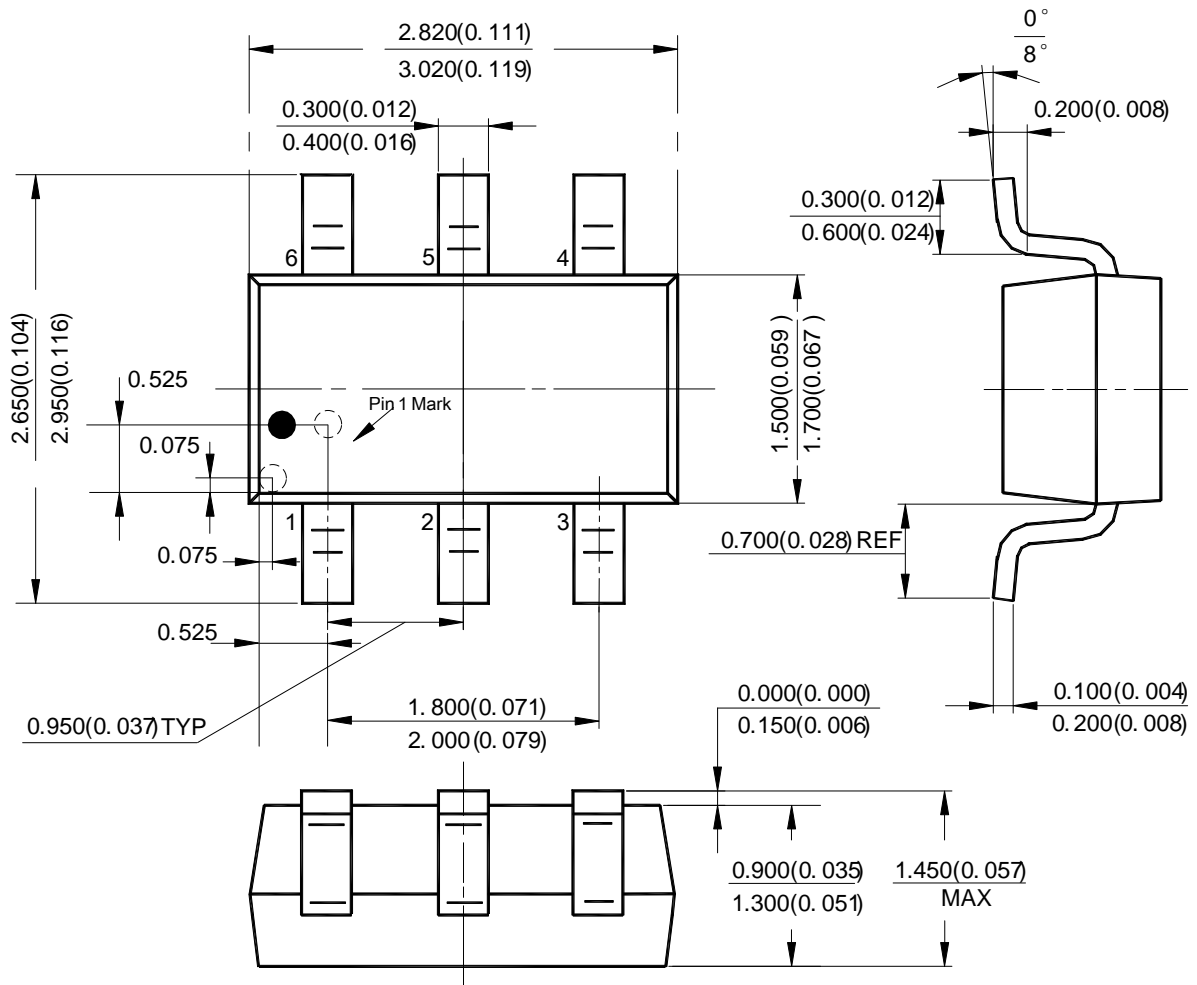


Packaging Information

Mechanical Dimensions

SOT-23-6 (Only for ITVS)

Unit: $\frac{\text{mm}(\text{inch})}{\text{mm}(\text{inch})}$ MIN
MAX



Note: Pin 1 Dot \varnothing 0.15mm
Pin 1 Dot area 0.6mm*0.6mm

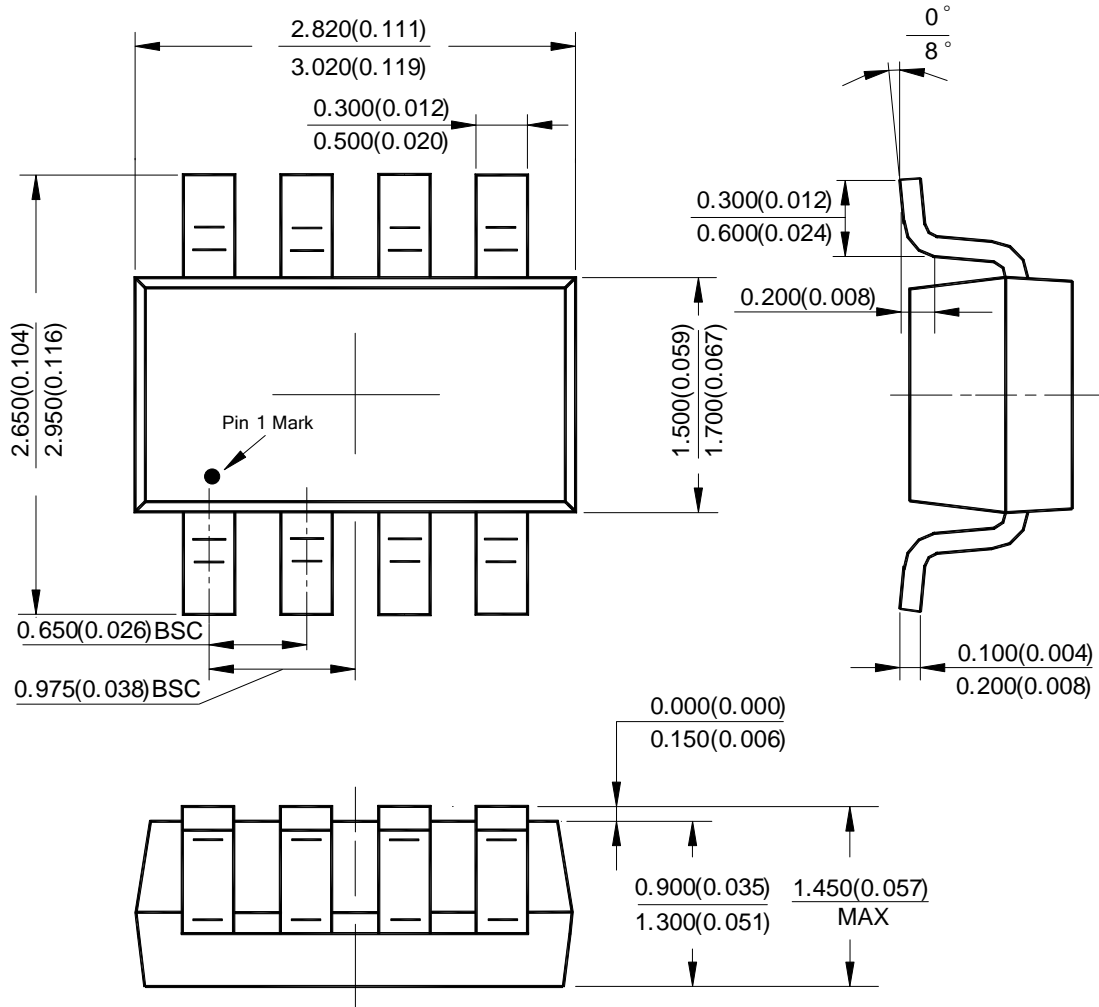


Packaging Information

Mechanical Dimensions

SOT-23-8
New Product Changed to SOT28 (2013.10)

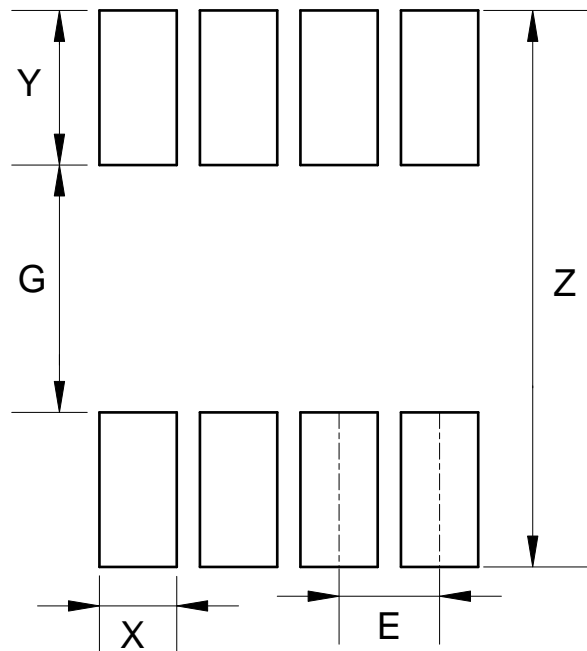
Unit: mm(inch)



Packaging Information

Mounting Pad Layout

SOT-23-8



Dimensions	Z (mm)/(inch)	G (mm)/(inch)	X (mm)/(inch)	Y (mm)/(inch)	E (mm)/(inch)
Value	3.600/0.142	1.600/0.063	0.500/0.020	1.000/0.039	0.650/0.026

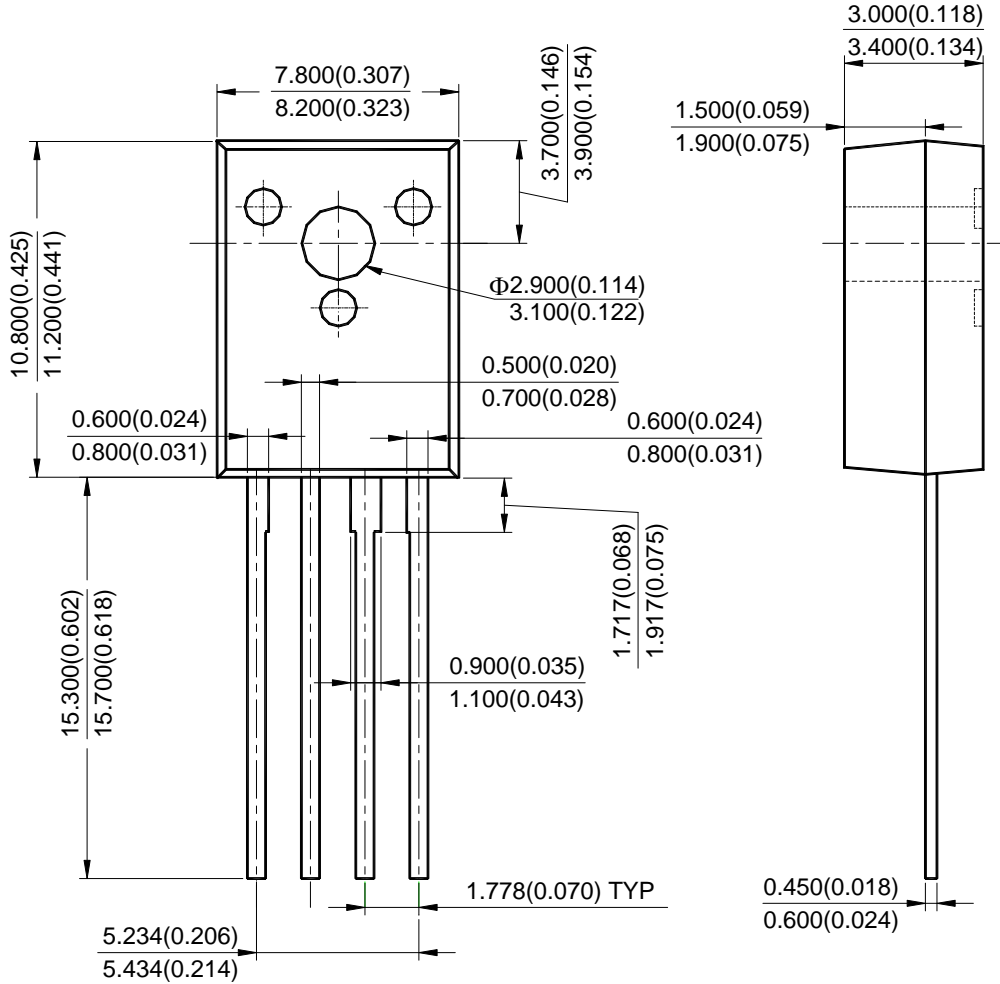


Packaging Information

Mechanical Dimensions

TO-126B

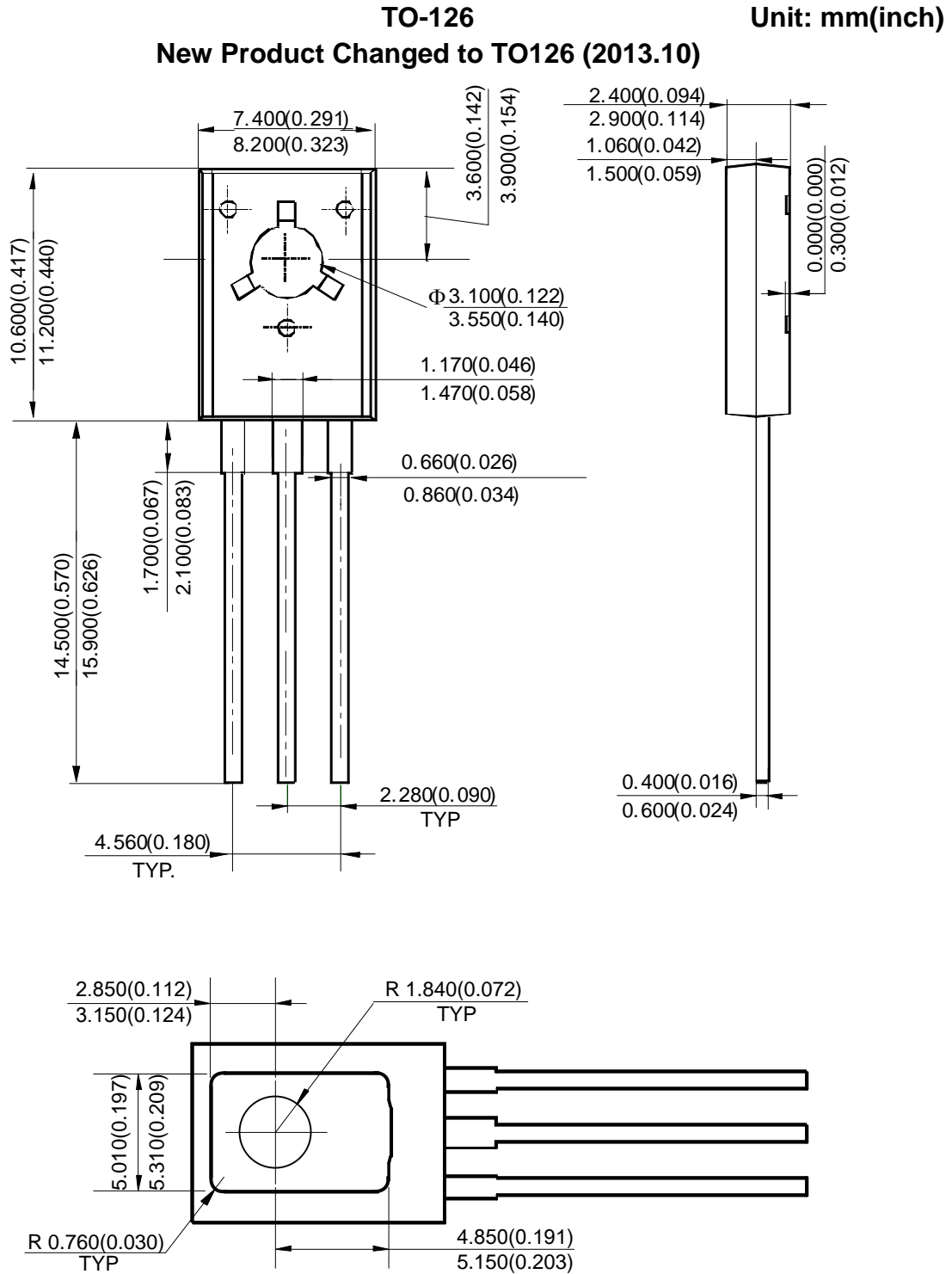
Unit: mm(inch)





Packaging Information

Mechanical Dimensions





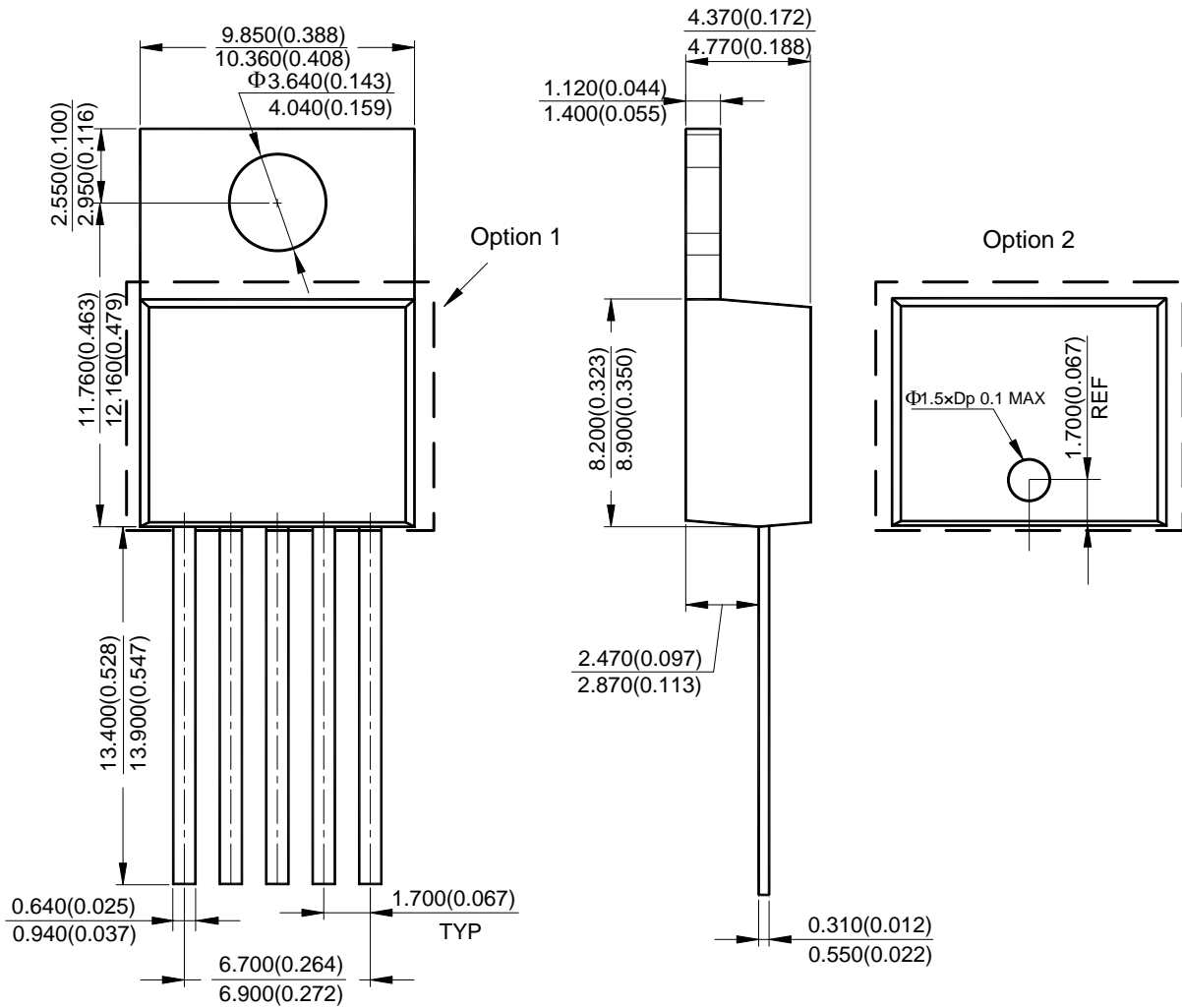
Packaging Information

Mechanical Dimensions

TO-220-5

Unit: mm(inch)

New Product Changed to TO220-5 (2013.10)



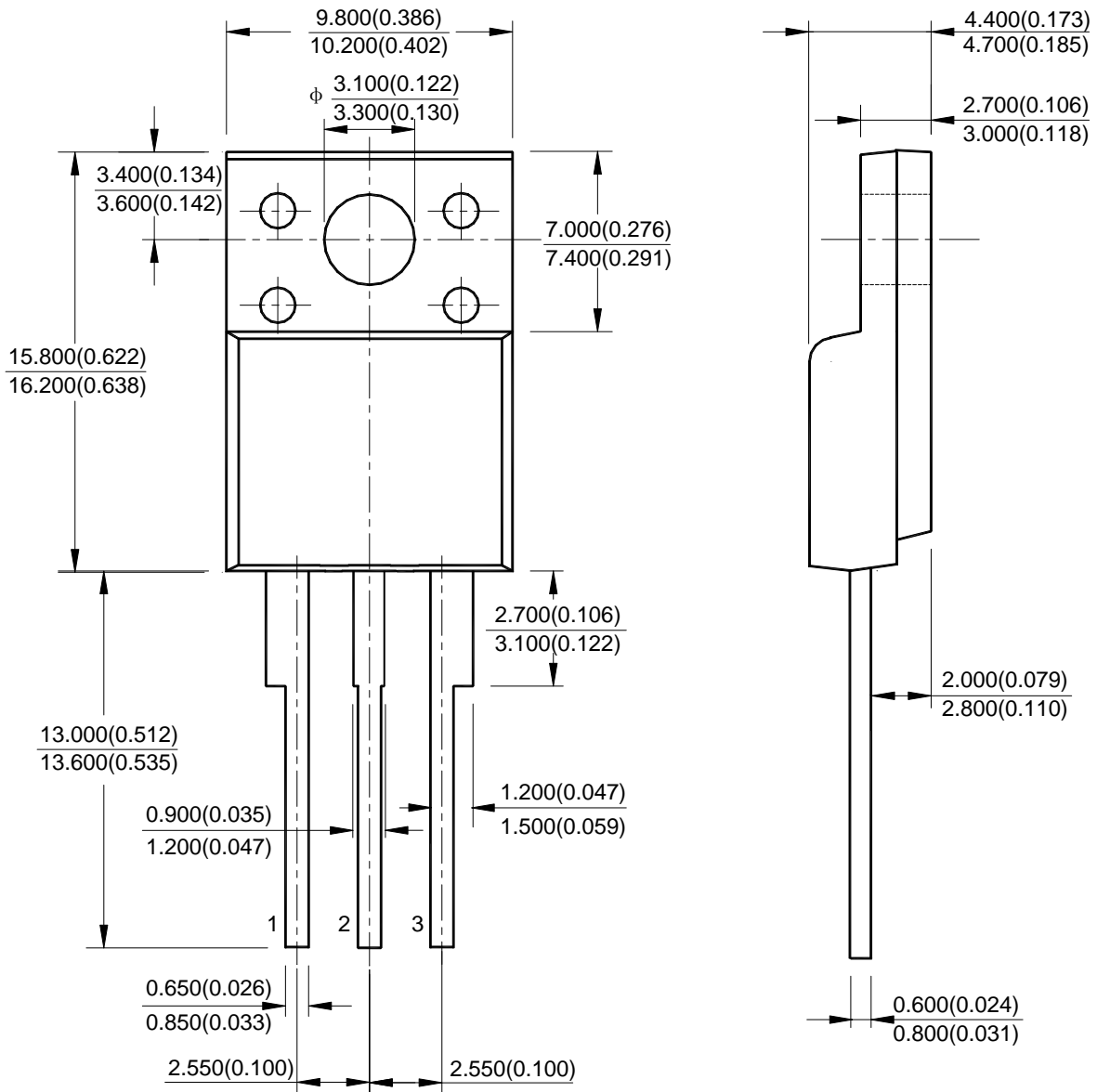


Packaging Information

Mechanical Dimensions

TO-220FP

Unit: mm(inch)





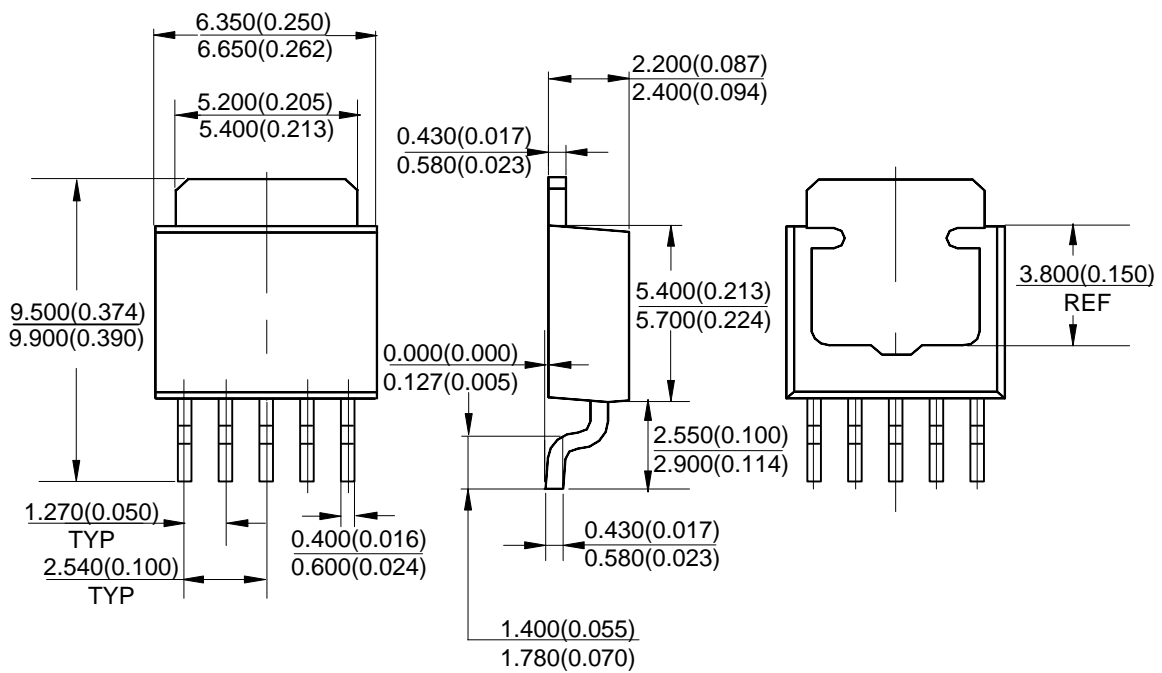
Packaging Information

Mechanical Dimensions

TO-252-5

Unit: mm(inch)

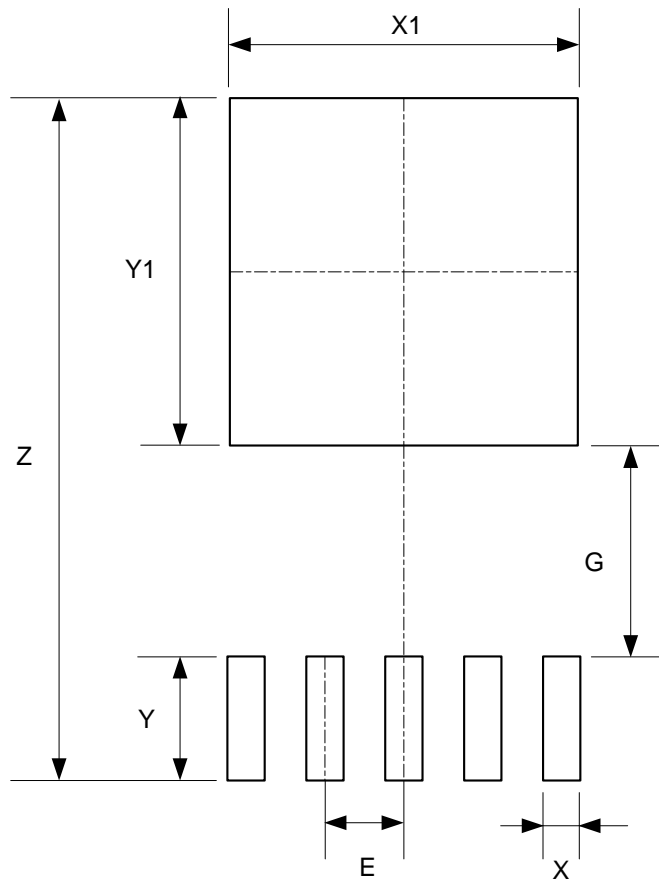
New Product Changed to TO252-5 (2013.10)



Packaging Information

Mounting Pad Layout

TO-252-5



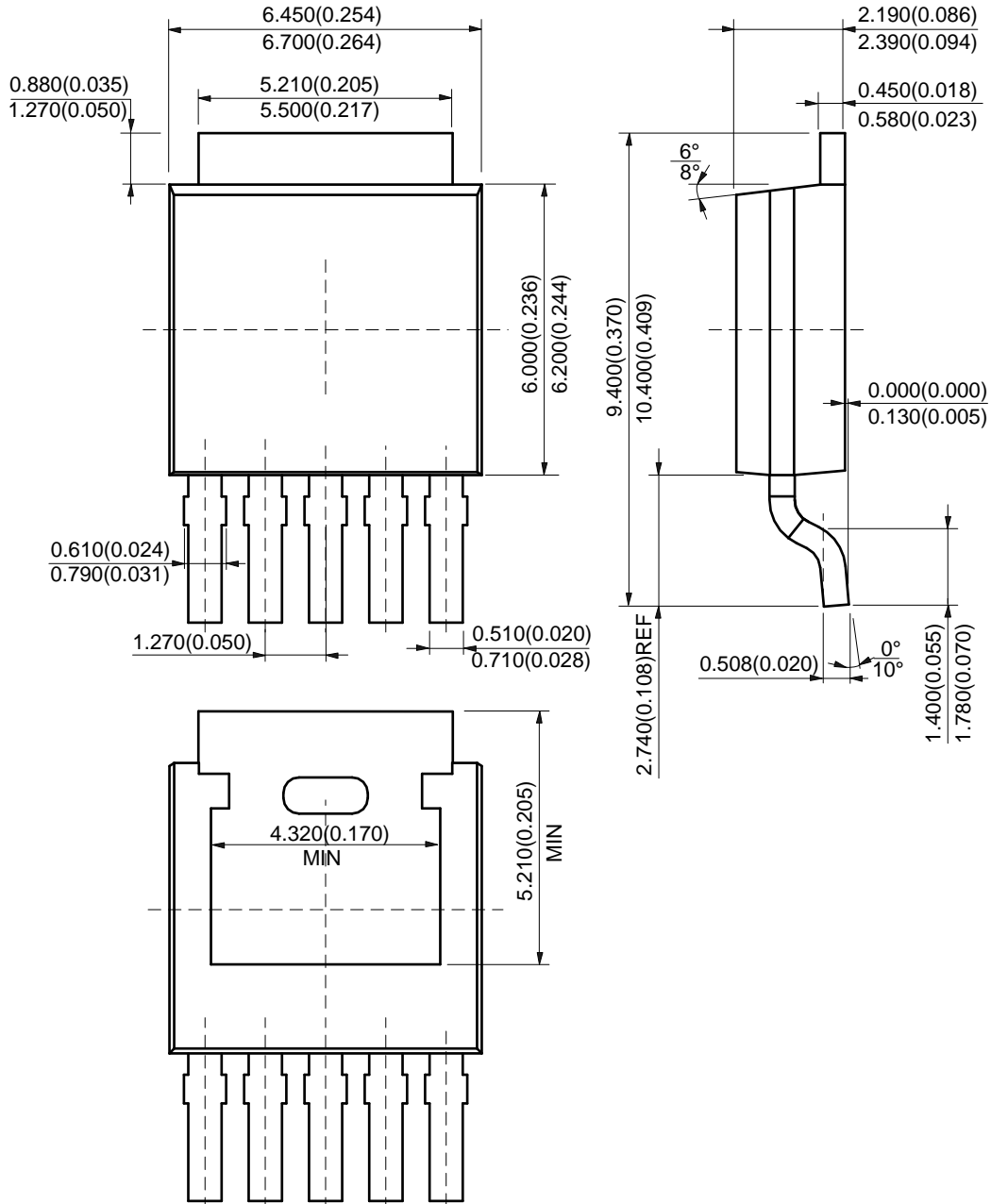
Dimensions	Z (mm)/(inch)	X (mm)/(inch)	X1=Y1 (mm)/(inch)	Y (mm)/(inch)	G (mm)/(inch)	E (mm)/(inch)
Value	11.000/0.433	0.600/0.024	5.600/0.220	2.000/0.079	3.400/0.134	1.270/0.050



Packaging Information

Mechanical Dimensions

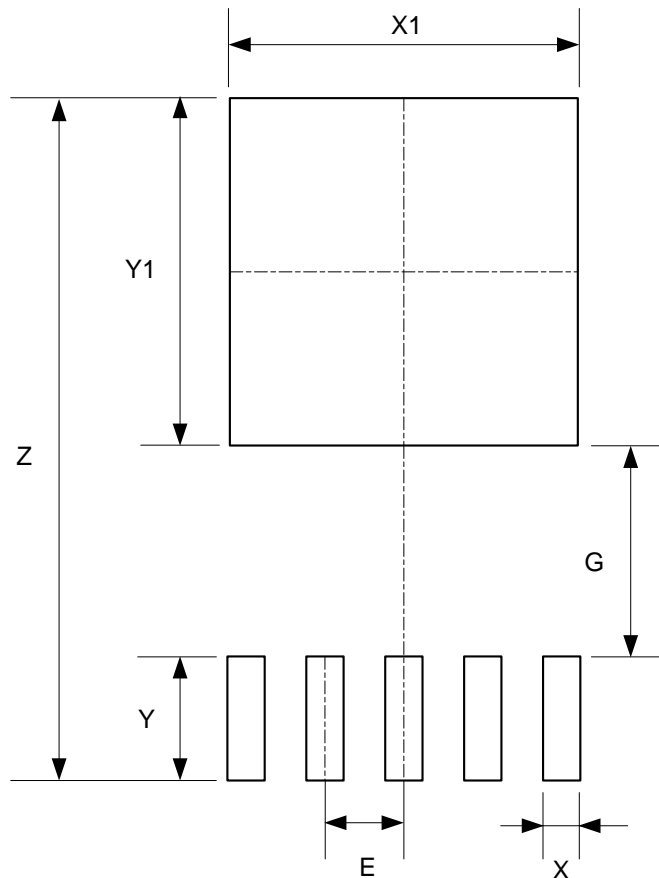
TO-252-5 (2) Unit: mm(inch)
New Product Changed to TO252-5 (2) (2013.10)



Packaging Information

Mounting Pad Layout

TO-252-5 (2)

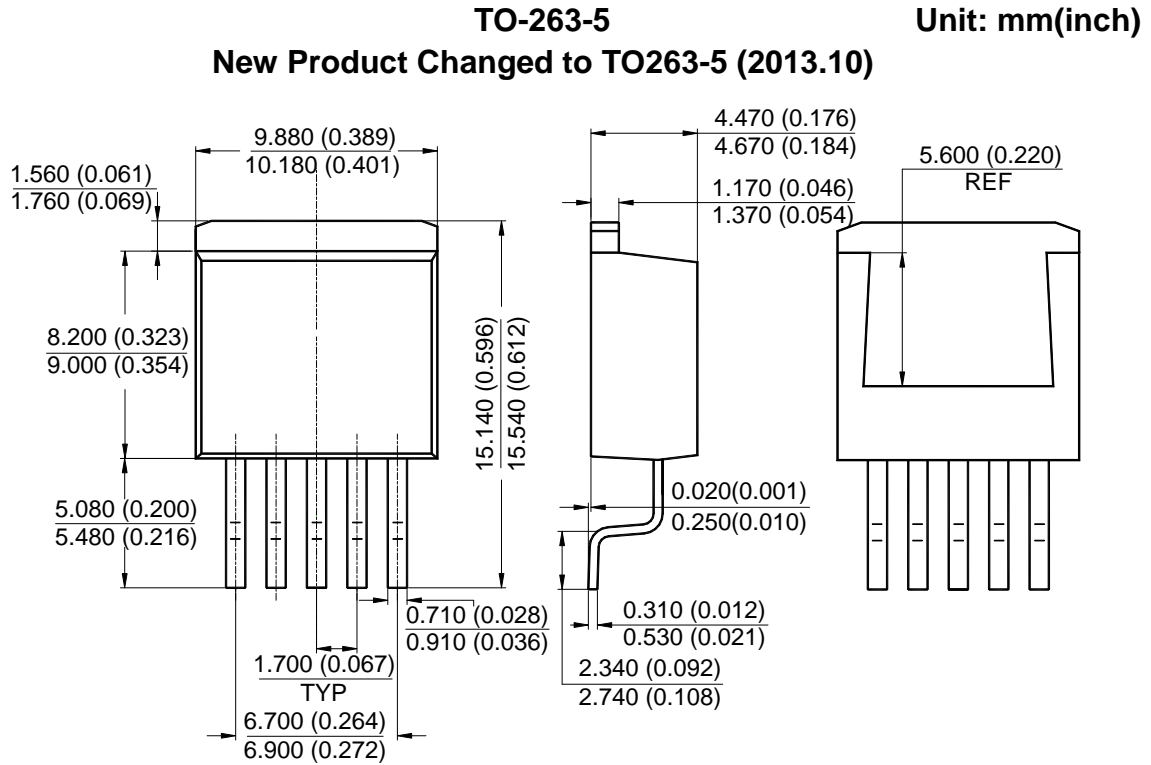


Dimensions	Z (mm)/(inch)	X (mm)/(inch)	$X1=Y1$ (mm)/(inch)	Y (mm)/(inch)	G (mm)/(inch)	E (mm)/(inch)
Value	11.000/0.433	0.600/0.024	5.600/0.220	2.000/0.079	3.400/0.134	1.270/0.050



Packaging Information

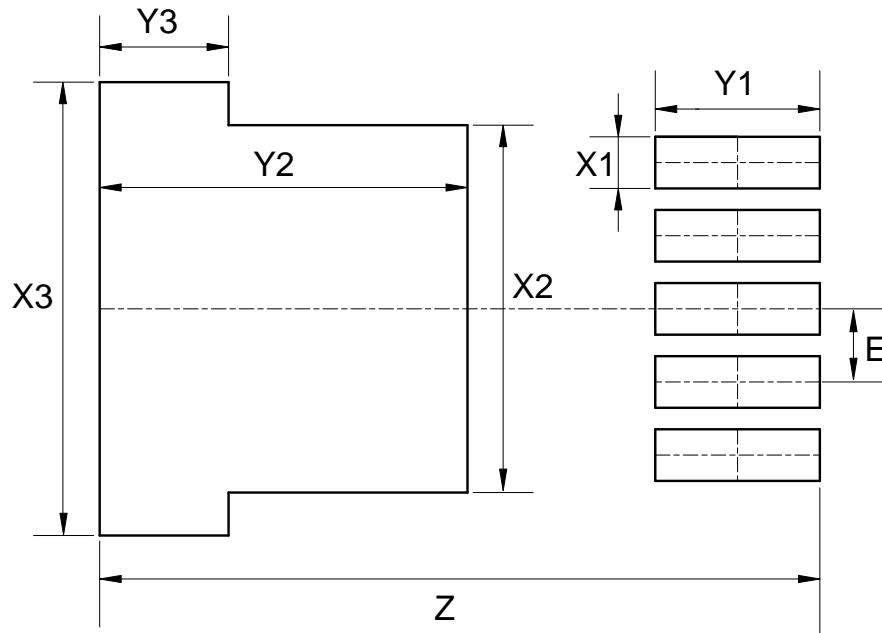
Mechanical Dimensions



Packaging Information

Mounting Pad Layout

TO-263-5



Dimensions	Z (mm)/(inch)	X1 (mm)/(inch)	X2 (mm)/(inch)	X3 (mm)/(inch)
Value	16.760/0.660	1.200/0.047	8.540/0.336	10.540/0.415
Dimensions	Y1 (mm)/(inch)	Y2 (mm)/(inch)	Y3 (mm)/(inch)	E (mm)/(inch)
Value	3.830/0.151	8.560/0.337	3.000/0.118	1.700/0.067

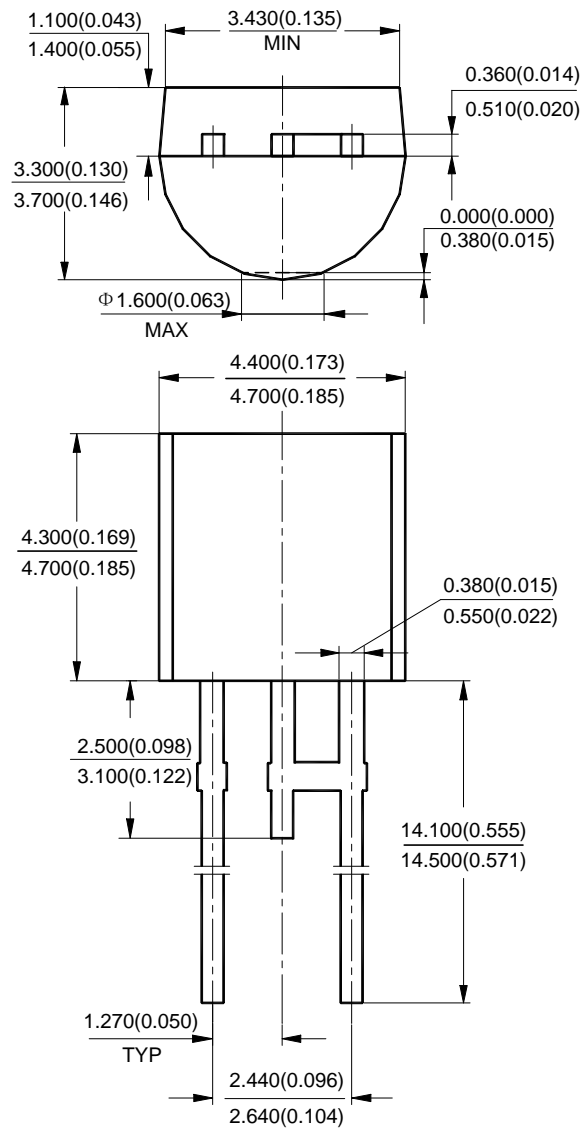


Packaging Information

Mechanical Dimensions

TO-92-2 New Product Changed to TO92-2 (2013.10)

Unit: mm(inch)



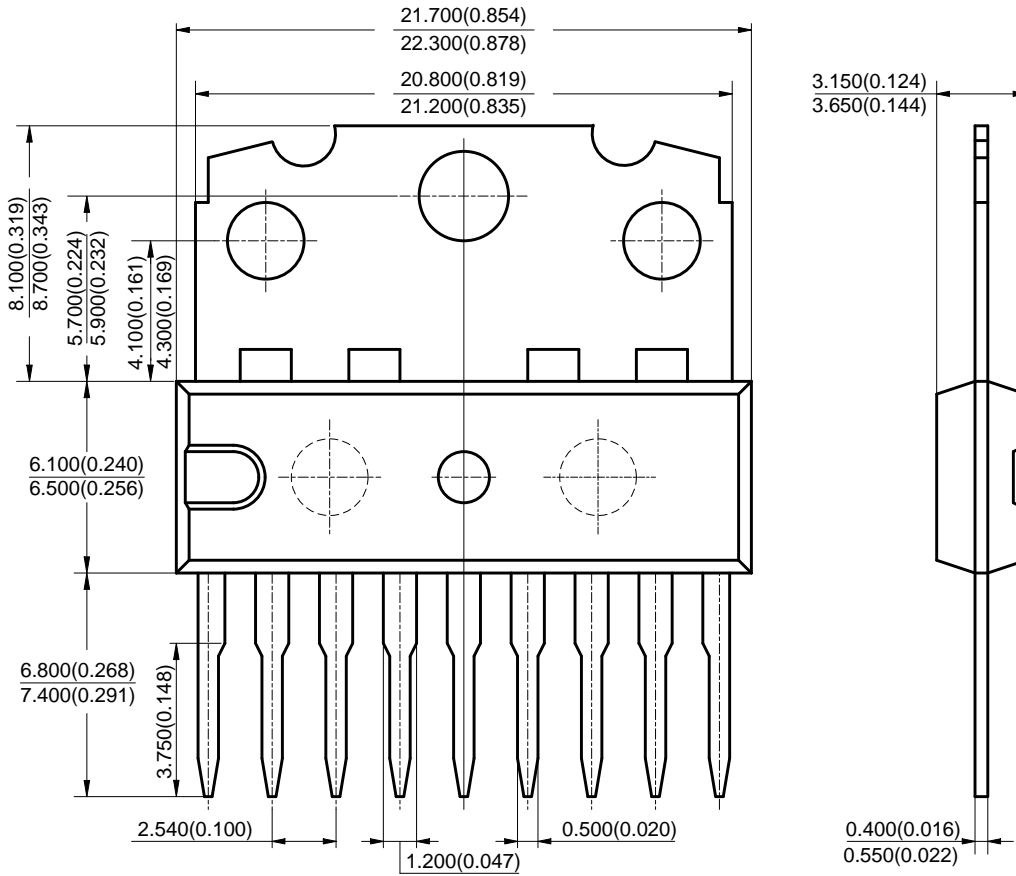


Packaging Information

Mechanical Dimensions

FSIP-9

Unit: mm(inch)

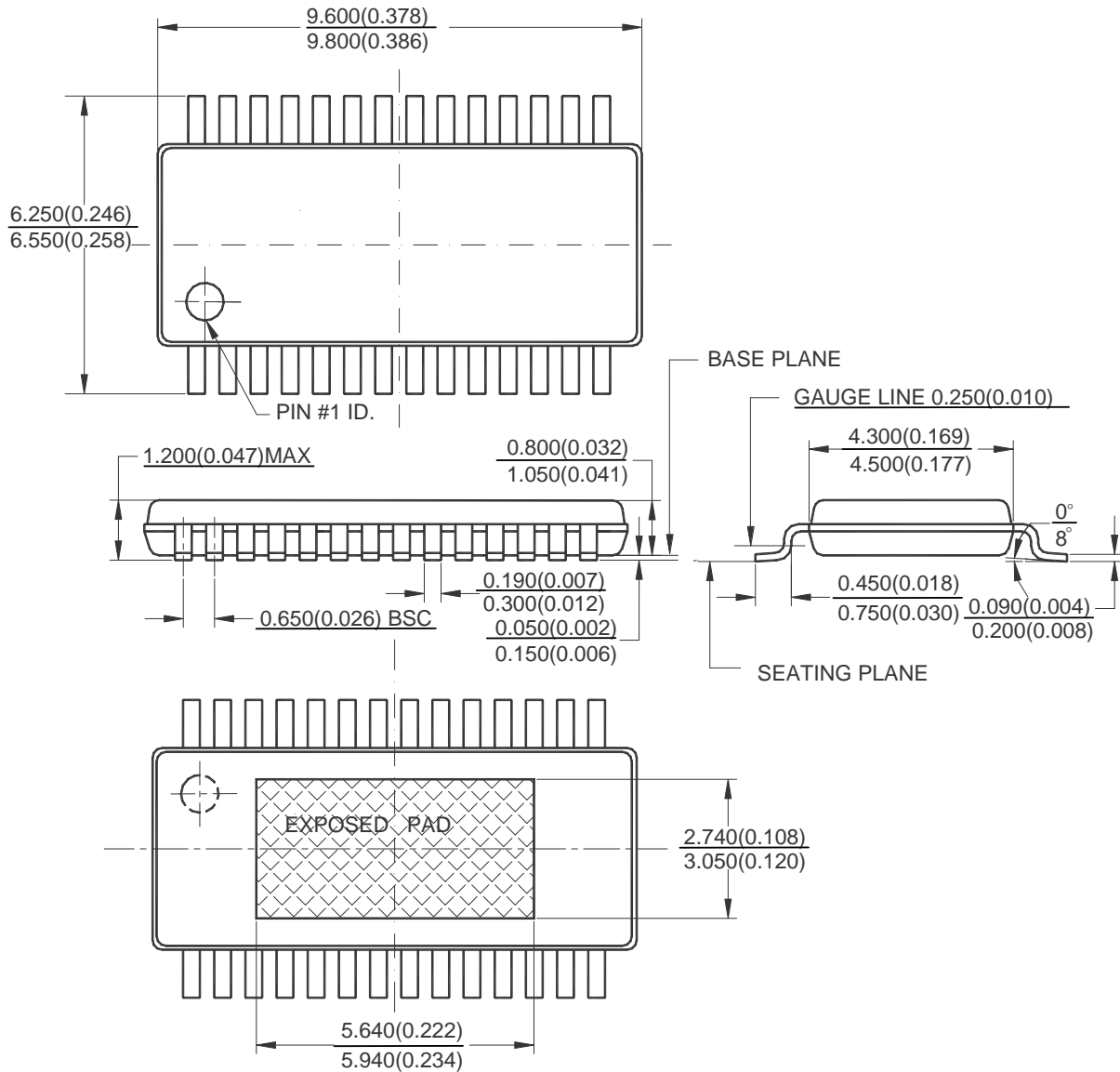


Packaging Information

Mechanical Dimensions

TSSOP-28 (EDP)

Unit: mm(inch)

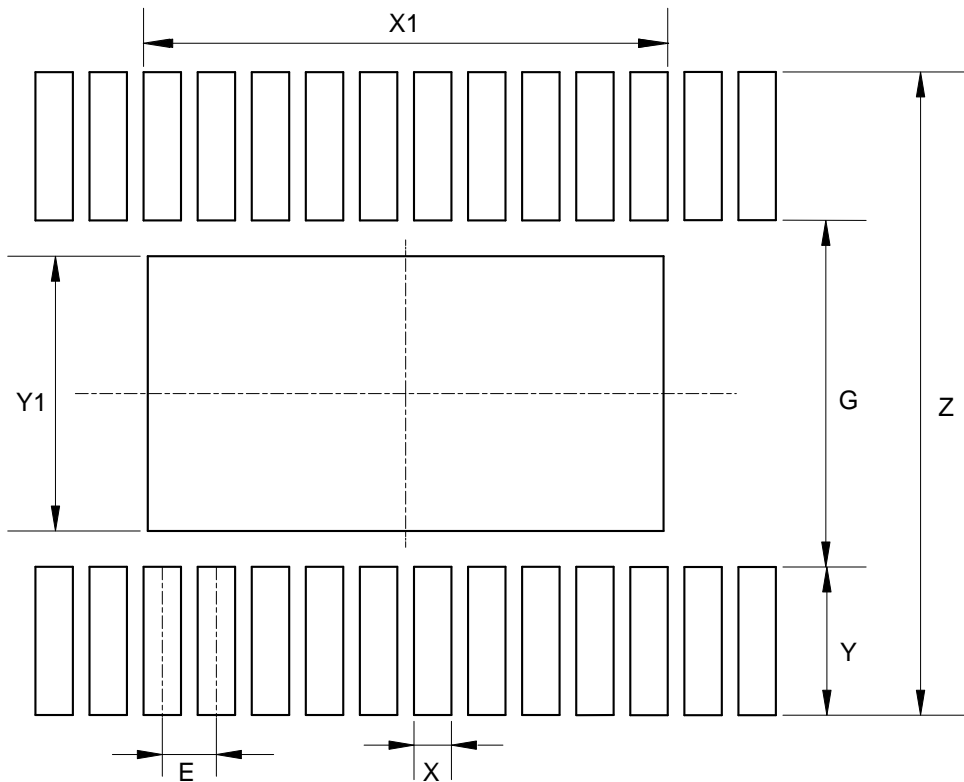


Note: Eject hole, oriented hole and mold mark is optional.

Packaging Information

Mounting Pad Layout

TSSOP-28 (EDP)



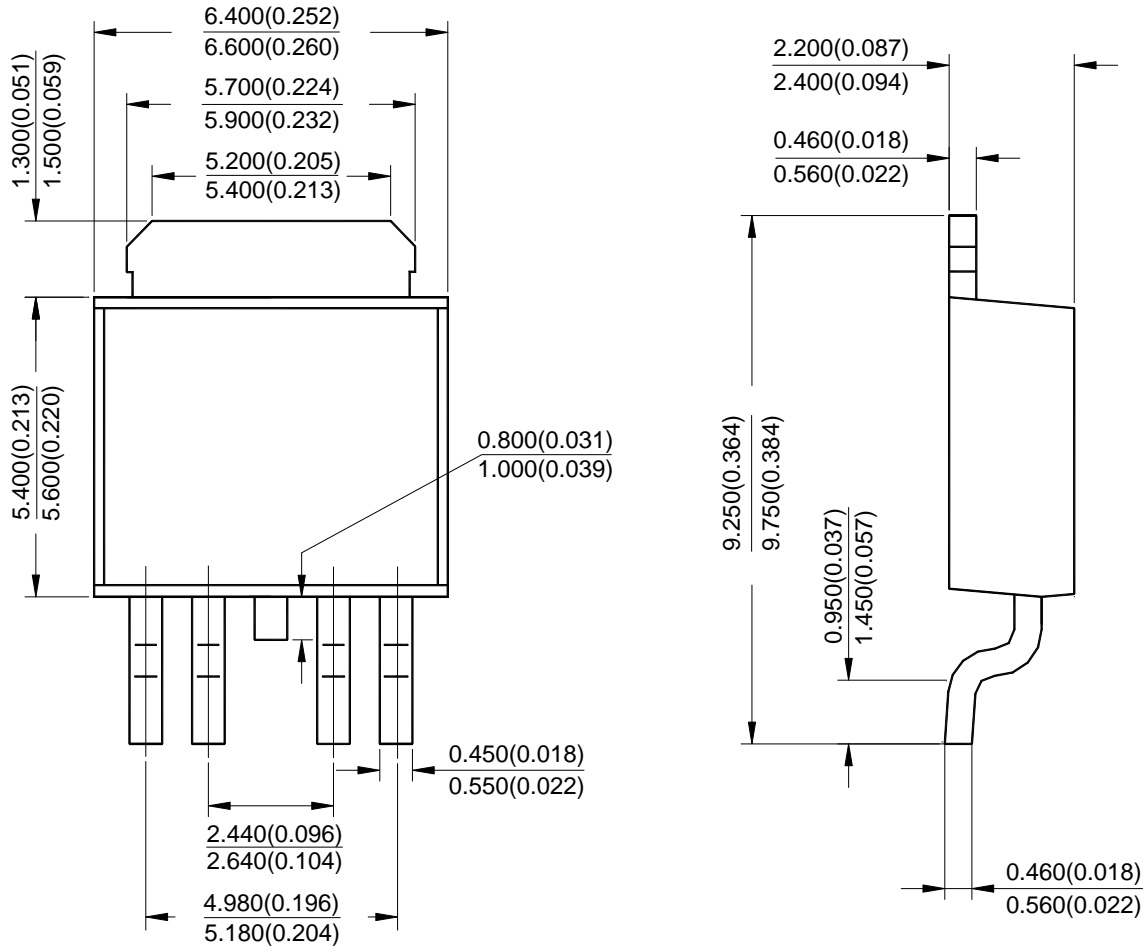
Dimensions	Z (mm)/(inch)	G (mm)/(inch)	X (mm)/(inch)	Y (mm)/(inch)
Value	7.720/0.304	4.160/0.164	0.450/0.018	1.780/0.070
Dimensions	E (mm)/(inch)	X1 (mm)/(inch)	Y1 (mm)/(inch)	---
Value	0.650/0.026	6.200/0.244	3.300/0.130	---



Packaging Information

Mechanical Dimensions

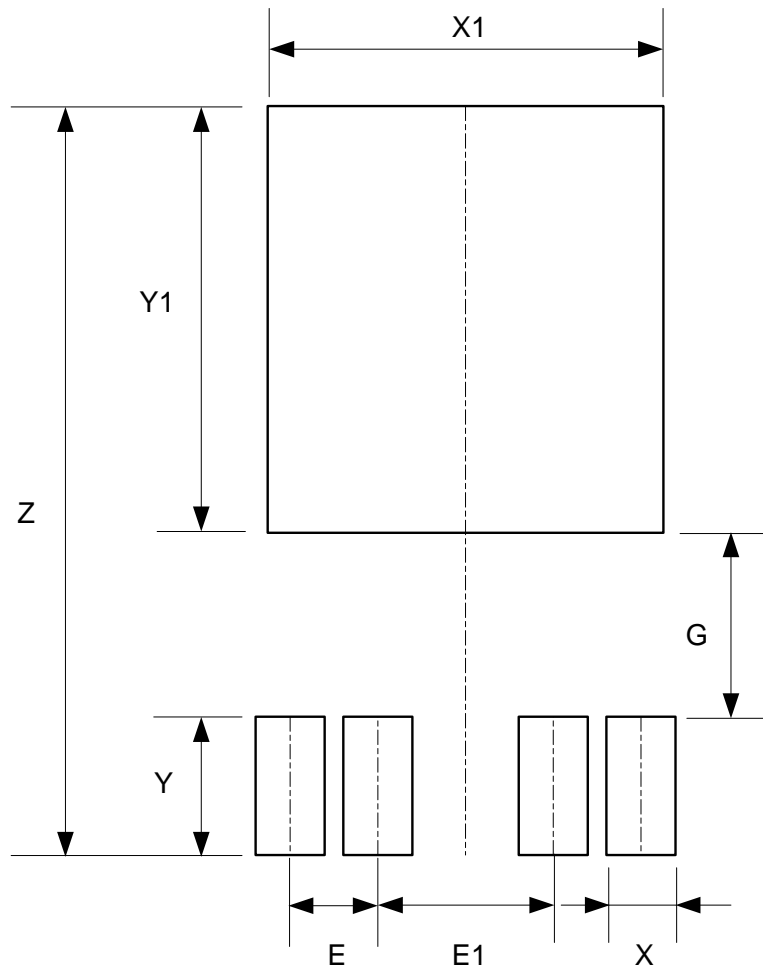
TO-252-4(PPAK) Unit: mm(inch)
New Product Changed to TO252-4 (PPAK) (2013.10)



Packaging Information

Mounting Pad Layout

TO-252-4(PPAK)



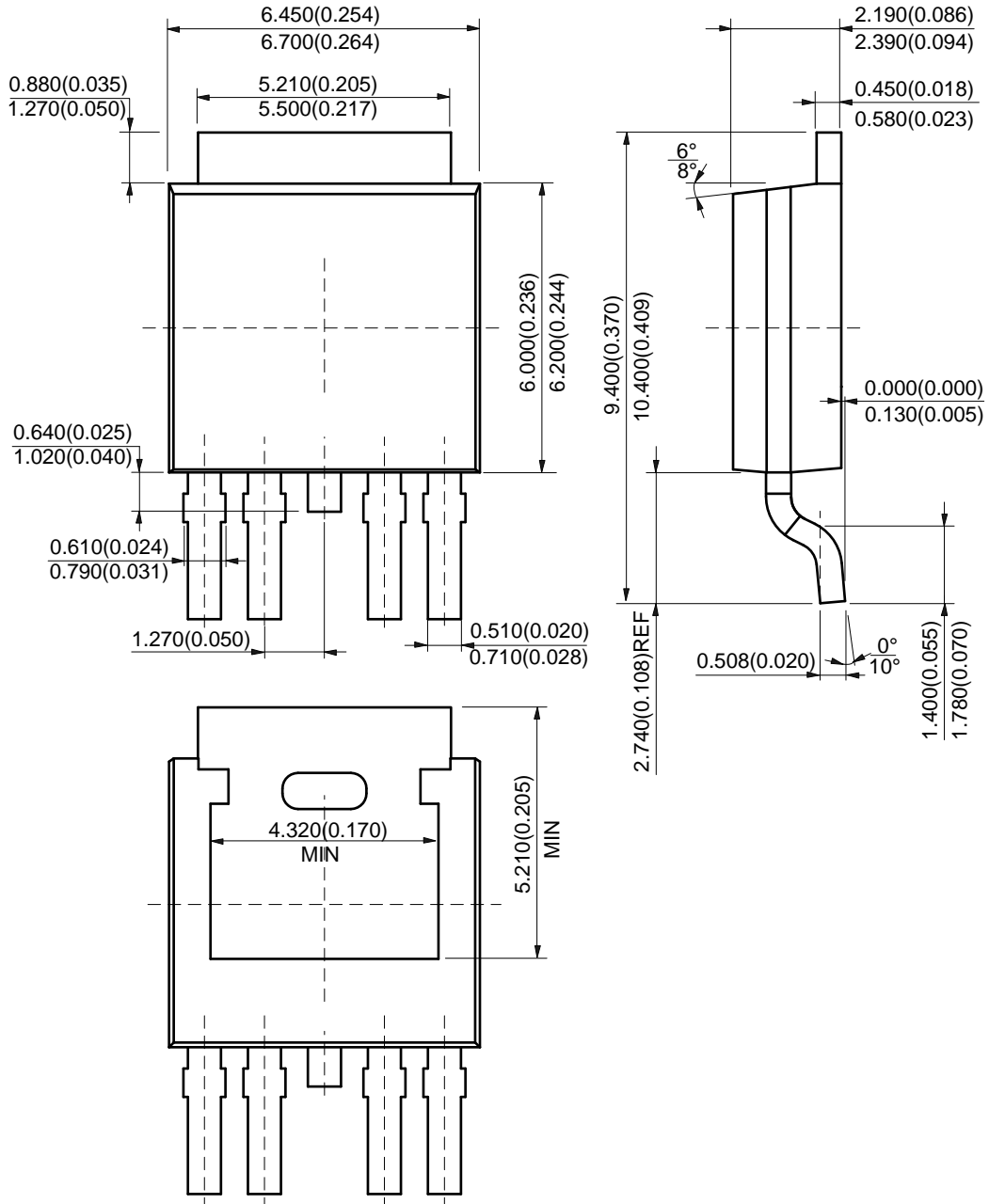
Dimensions	E (mm)/(inch)	E1 (mm)/(inch)	X (mm)/(inch)	X1 (mm)/(inch)
Value	1.270/0.050	2.540/0.100	1.000/0.039	5.730/0.226
Dimensions	Y (mm)/(inch)	Y1 (mm)/(inch)	Z (mm)/(inch)	G (mm)/(inch)
Value	2.000/0.079	6.170/0.243	10.830/0.426	2.660/0.105



Packaging Information

Mechanical Dimensions

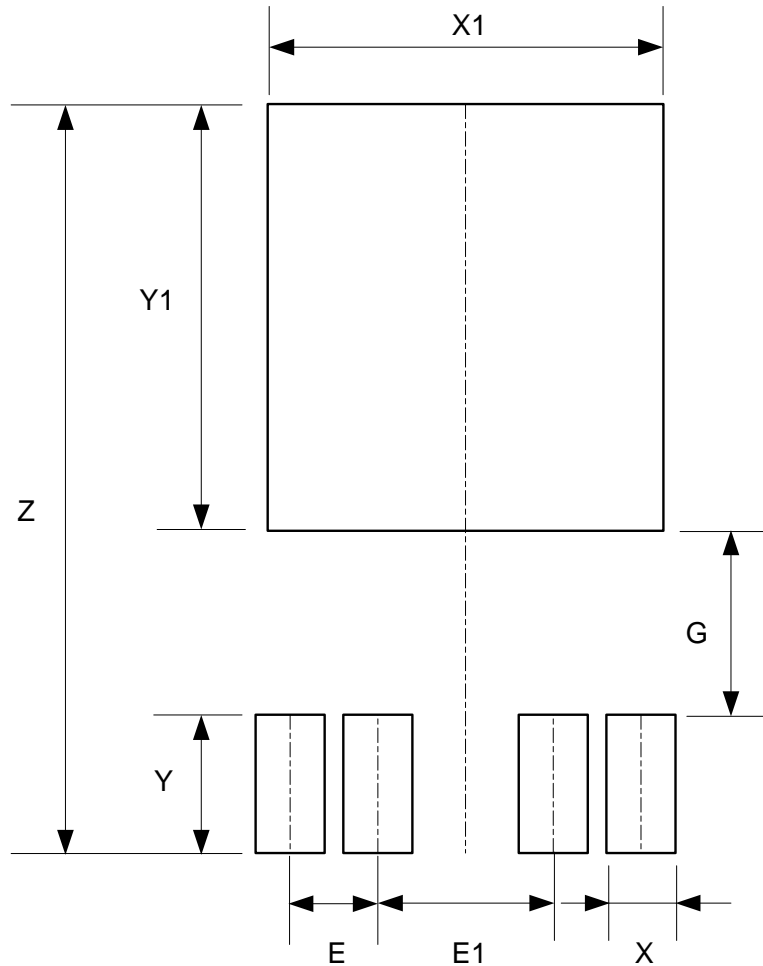
TO-252-4 (2) Unit: mm(inch)
New Product Changed to TO252-4 (2) (2013.10)



Packaging Information

Mounting Pad Layout

TO-252-4 (2)



Dimensions	E (mm)/(inch)	E1 (mm)/(inch)	X (mm)/(inch)	X1 (mm)/(inch)
Value	1.270/0.050	2.540/0.100	1.000/0.039	5.730/0.226
Dimensions	Y (mm)/(inch)	Y1 (mm)/(inch)	Z (mm)/(inch)	G (mm)/(inch)
Value	2.000/0.079	6.170/0.243	10.830/0.426	2.660/0.105

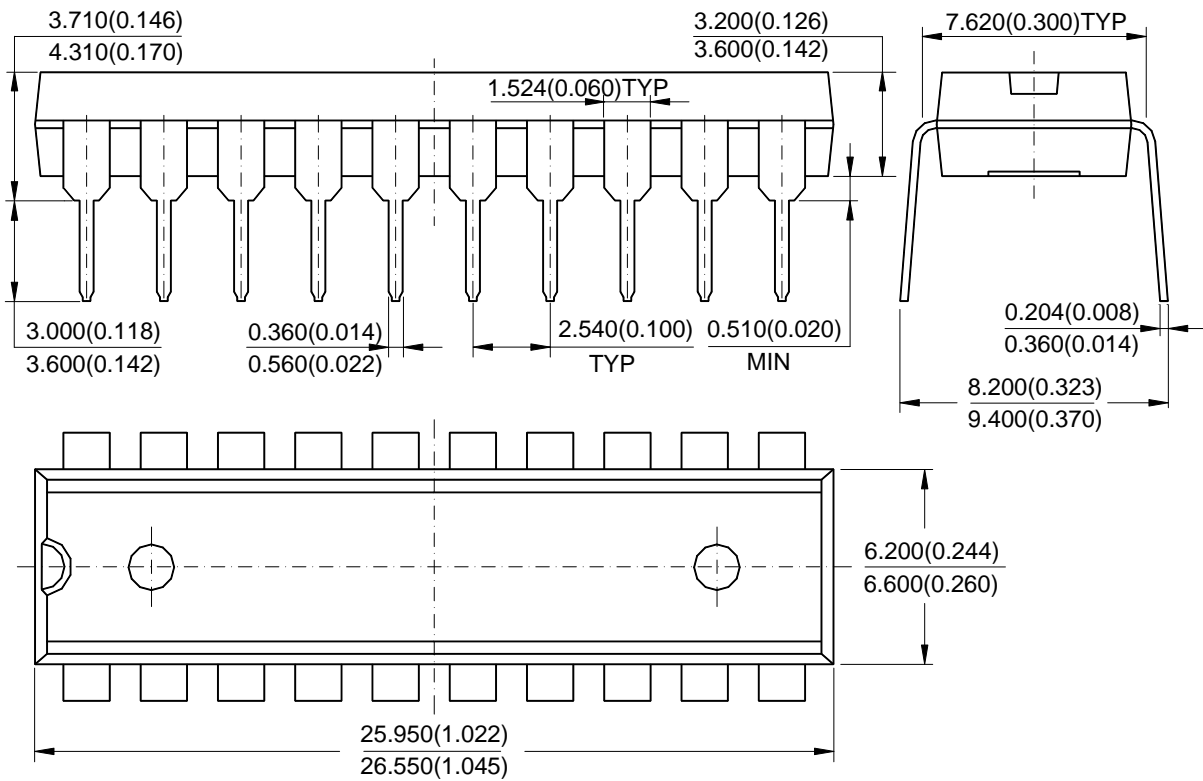


Packaging Information

Mechanical Dimensions

DIP-20 New Product Changed to PDIP-20 (2013.10)

Unit: mm(inch)



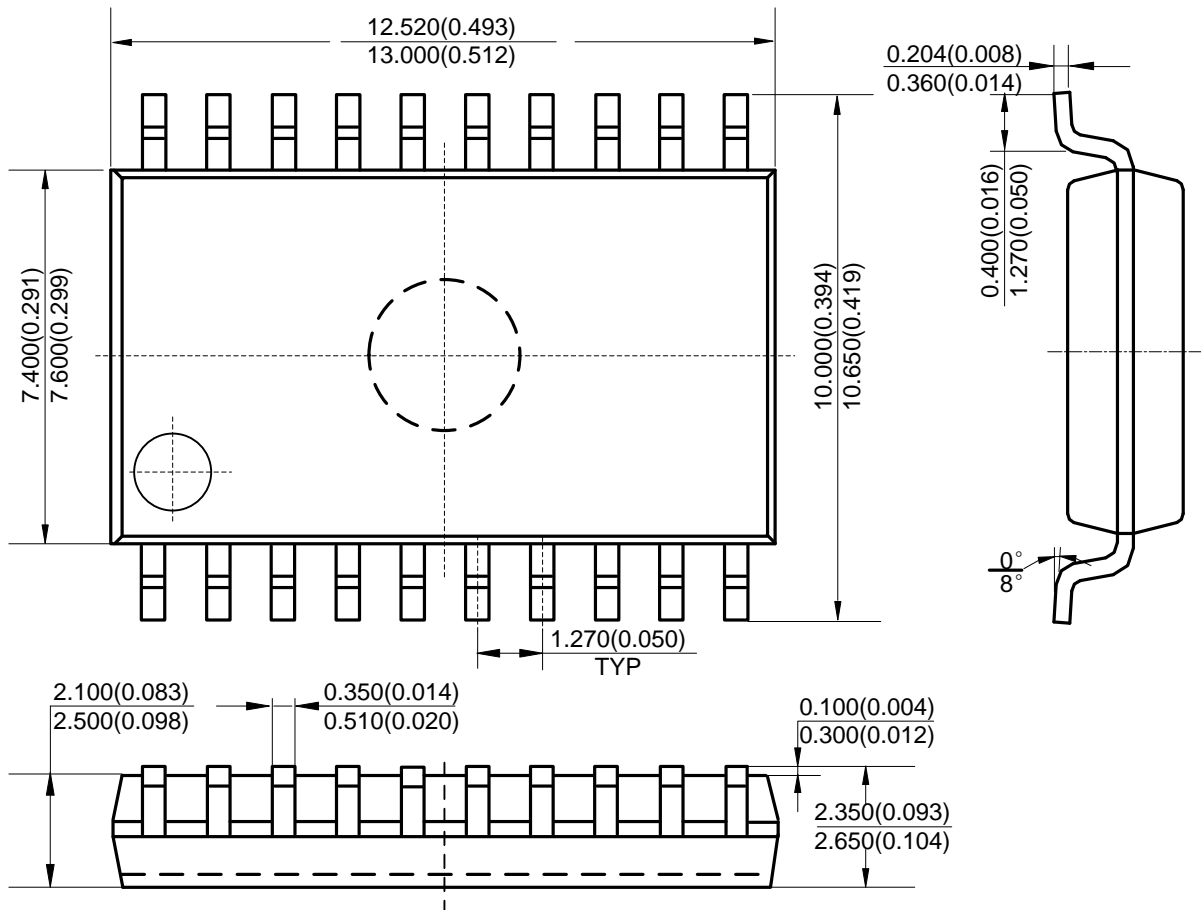
Note: Eject hole, oriented hole and mold mark is optional.

Packaging Information

Mechanical Dimensions

SOIC-20 New Product Changed to SO-20 (2013.10)

Unit: mm(inch)

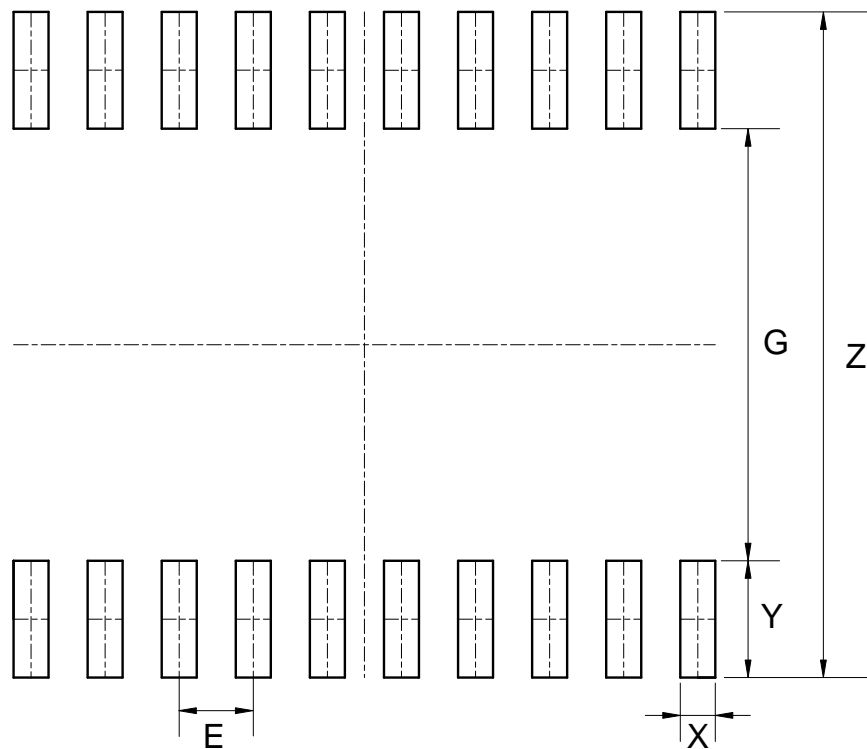


Note: Eject hole, oriented hole and mold mark is optional.

Packaging Information

Mounting Pad Layout

SOIC-20

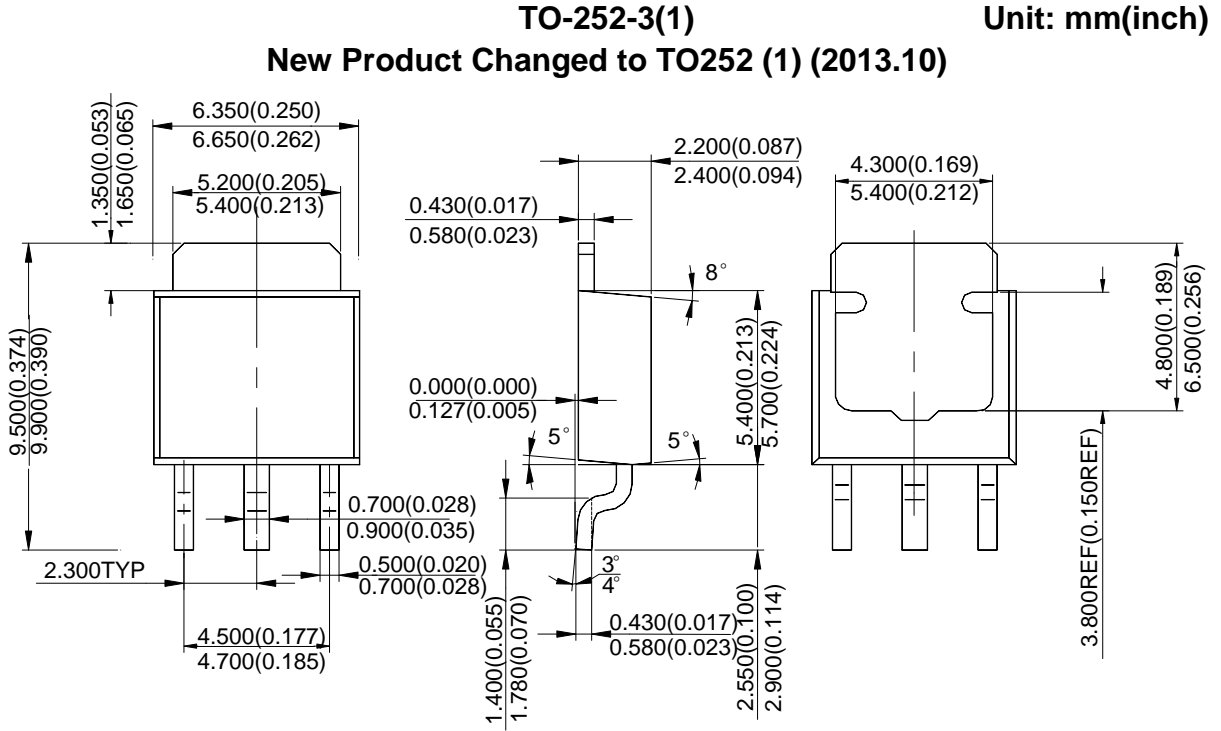


Dimensions	Z (mm)/(inch)	G (mm)/(inch)	X (mm)/(inch)	Y (mm)/(inch)	E (mm)/(inch)
Value	11.400/0.449	7.400/0.291	0.600/0.024	2.000/0.079	1.270/0.050



Packaging Information

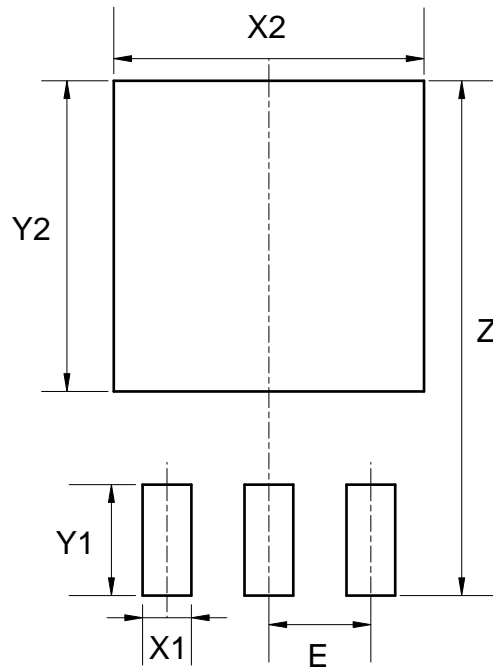
Mechanical Dimensions



Packaging Information

Mounting Pad Layout

TO-252-3(1)



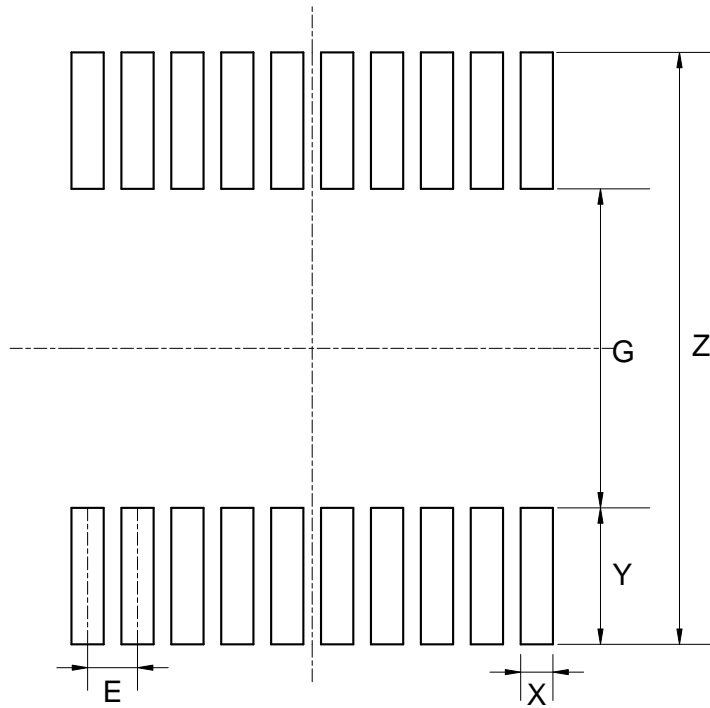
Dimensions	Z (mm)/(inch)	X1 (mm)/(inch)	X2= Y2 (mm)/(inch)	Y1 (mm)/(inch)	E (mm)/(inch)
Value	11.600/0.457	1.100/0.043	7.000/0.276	2.500/0.098	2.300/0.091



Packaging Information

Mounting Pad Layout

TSSOP-20



Dimensions	Z (mm)/(inch)	G (mm)/(inch)	X (mm)/(inch)	Y (mm)/(inch)	E (mm)/(inch)
Value	7.720/0.304	4.160/0.164	0.420/0.017	1.780/0.070	0.650/0.026



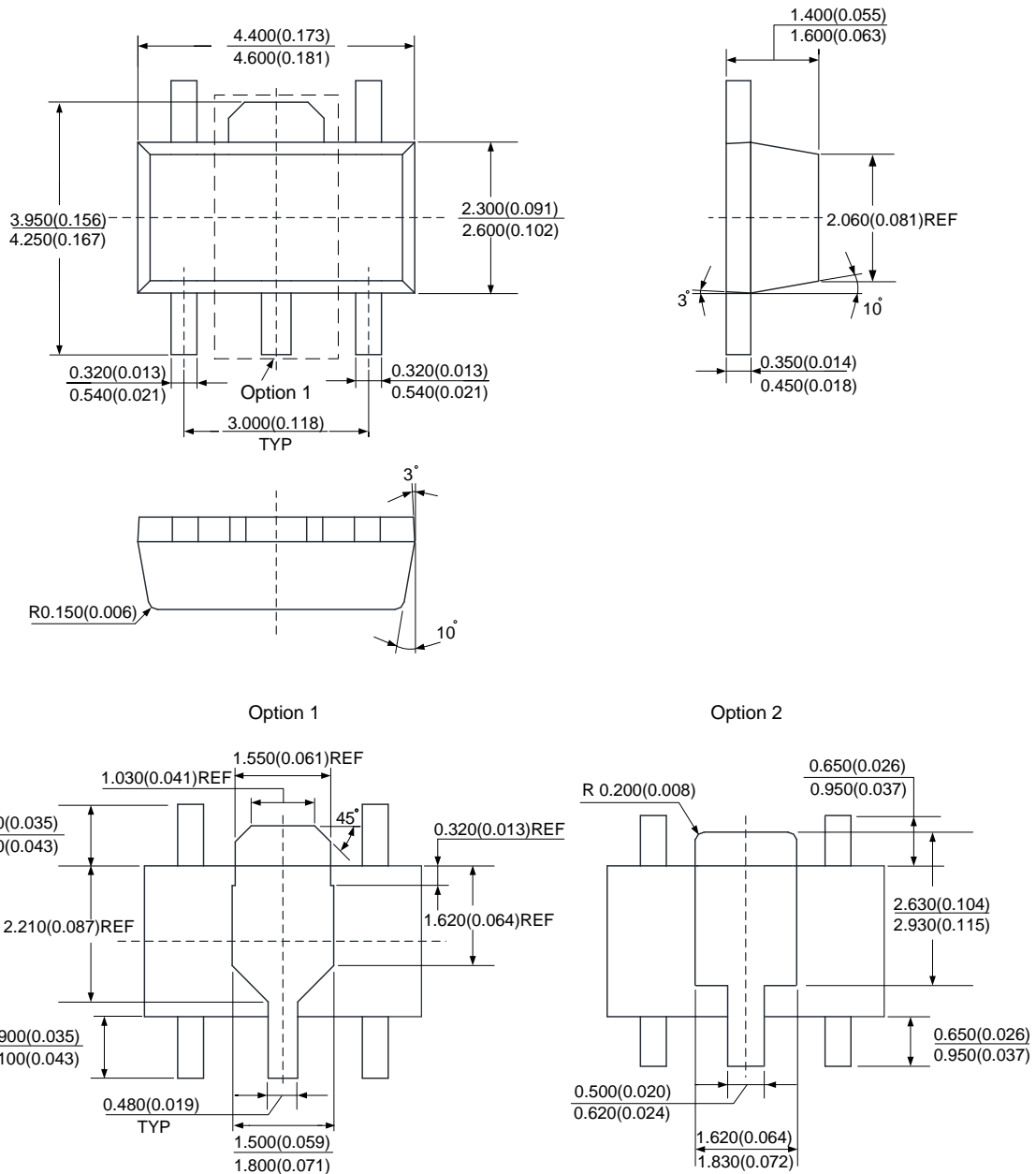
Packaging Information

Mechanical Dimensions

SOT-89-5

Unit: mm(inch)

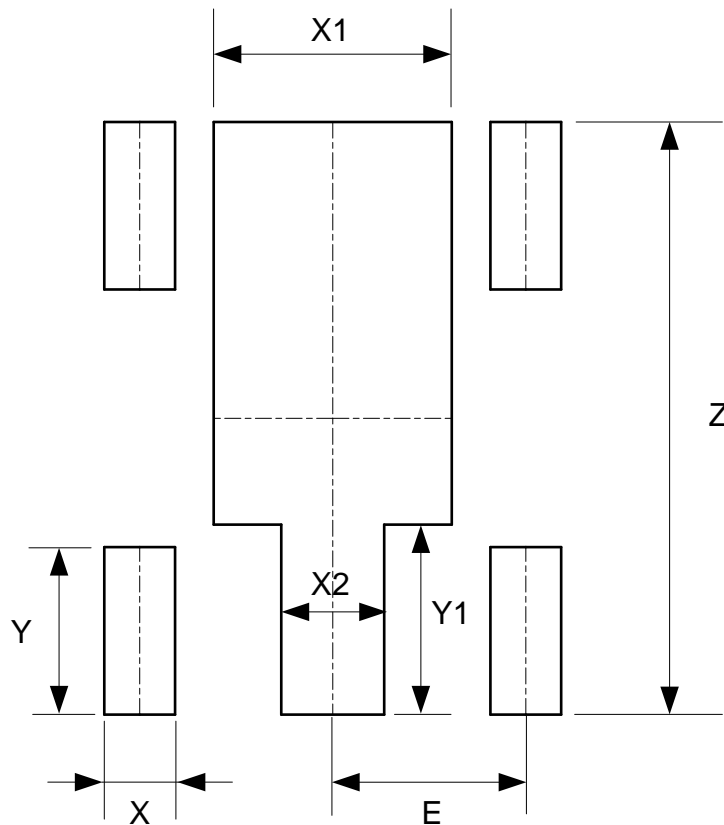
New Product Changed to SOT89-5 (2013.10)



Packaging Information

Mounting Pad Layout

SOT-89-5



Dimens ions	Z (mm)/(inch)	X (mm)/(inch)	X1 (mm)/(inch)	X2 (mm)/(inch)	Y (mm)/(inch)	Y1 (mm)/(inch)	E (mm)/(inch)
Value	4.600/0.181	0.550/0.022	1.850/0.073	0.800/0.031	1.300/0.051	1.475/0.058	1.500/0.059

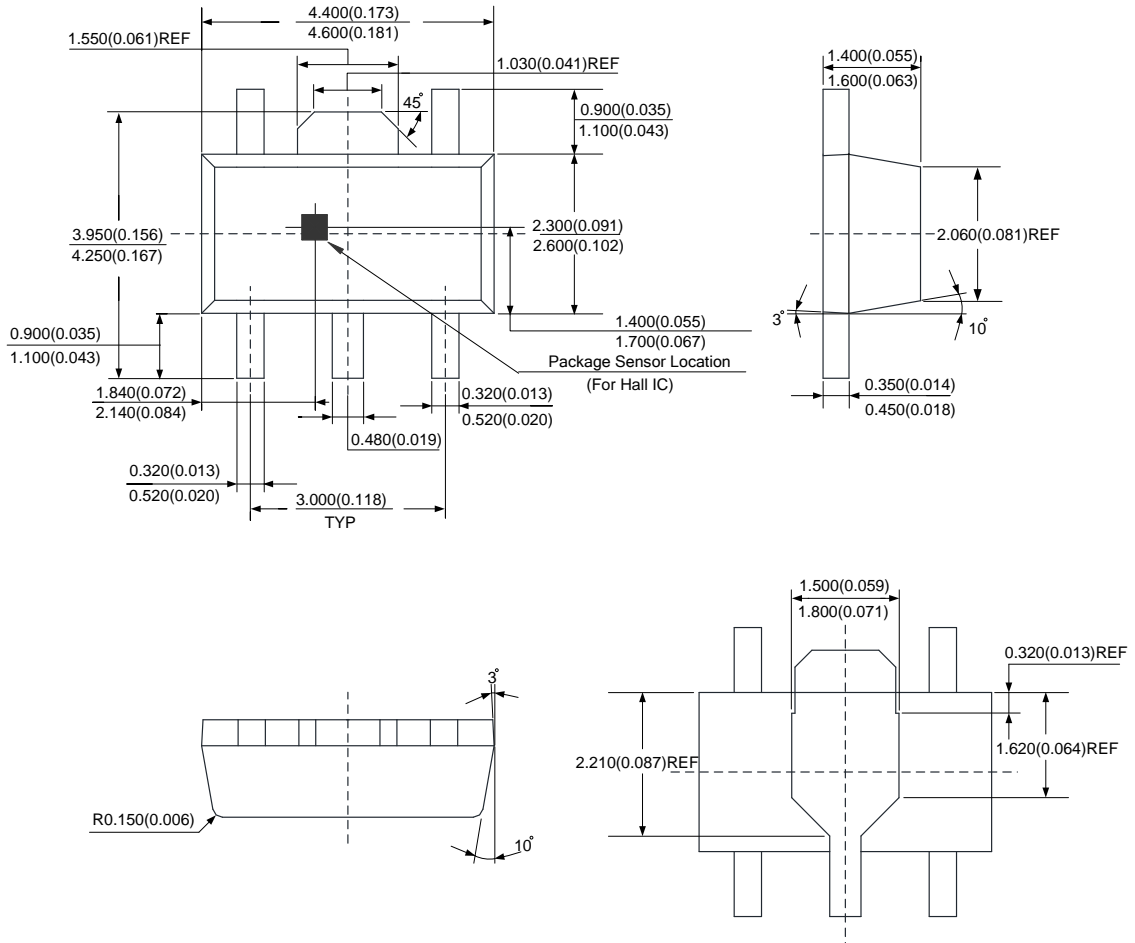


Packaging Information

Mechanical Dimensions

SOT-89-5(Only for AH9281/9282)

Unit: mm(inch)

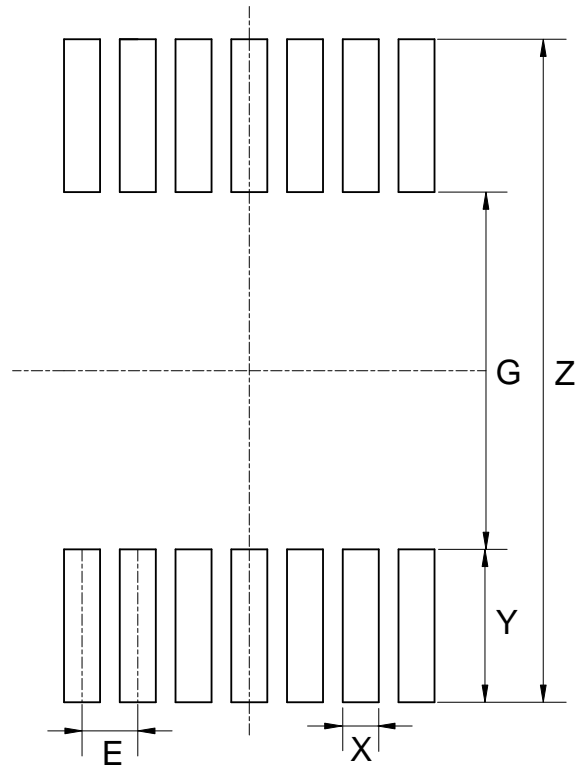




Packaging Information

Mounting Pad Layout

TSSOP-14



Dimensions	Z (mm)/(inch)	G (mm)/(inch)	X (mm)/(inch)	Y (mm)/(inch)	E (mm)/(inch)
Value	7.720/0.304	4.160/0.164	0.420/0.017	1.780/0.070	0.650/0.026

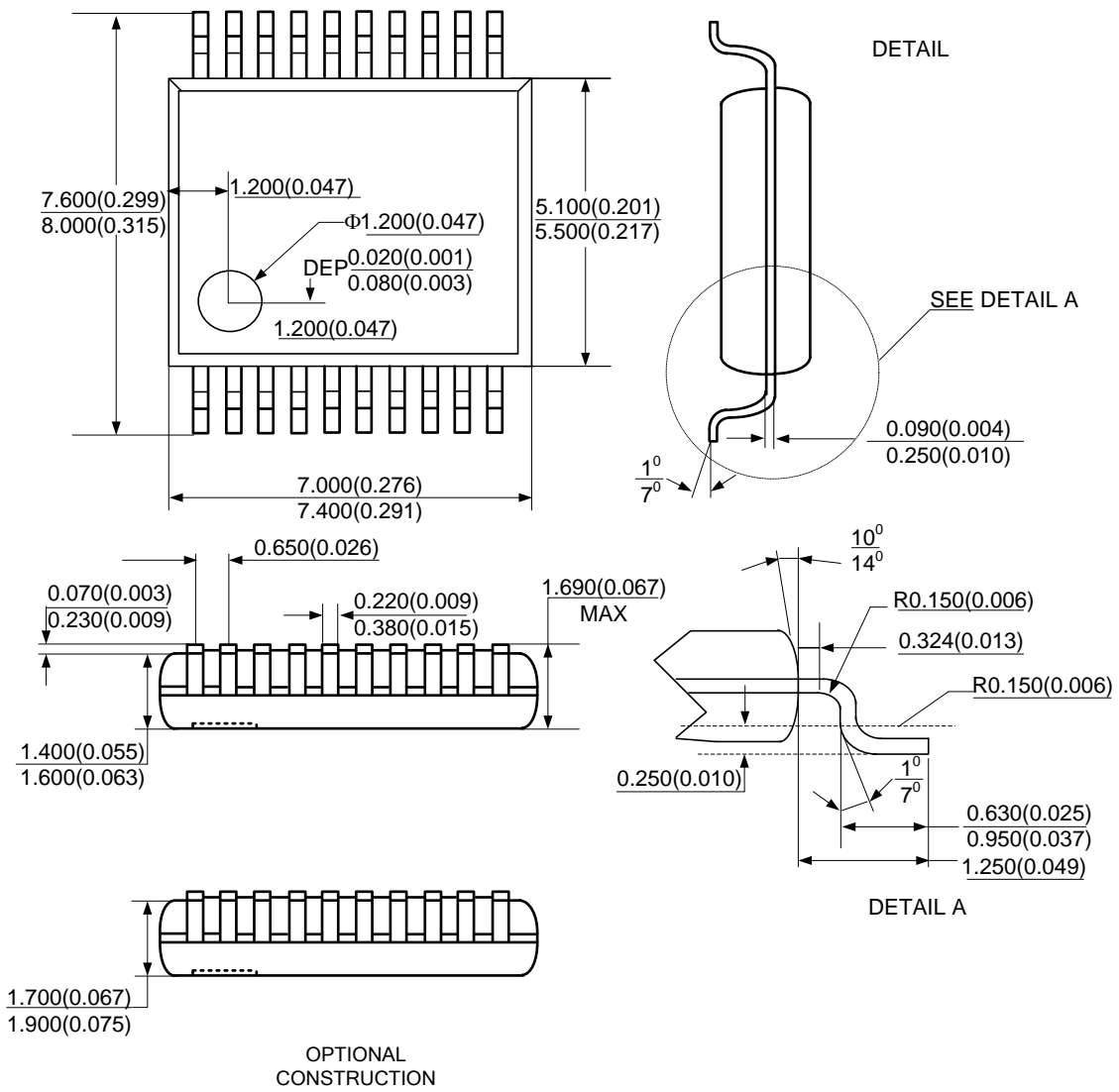


Packaging Information

Mechanical Dimensions

SSOP-20

Unit: mm(inch)



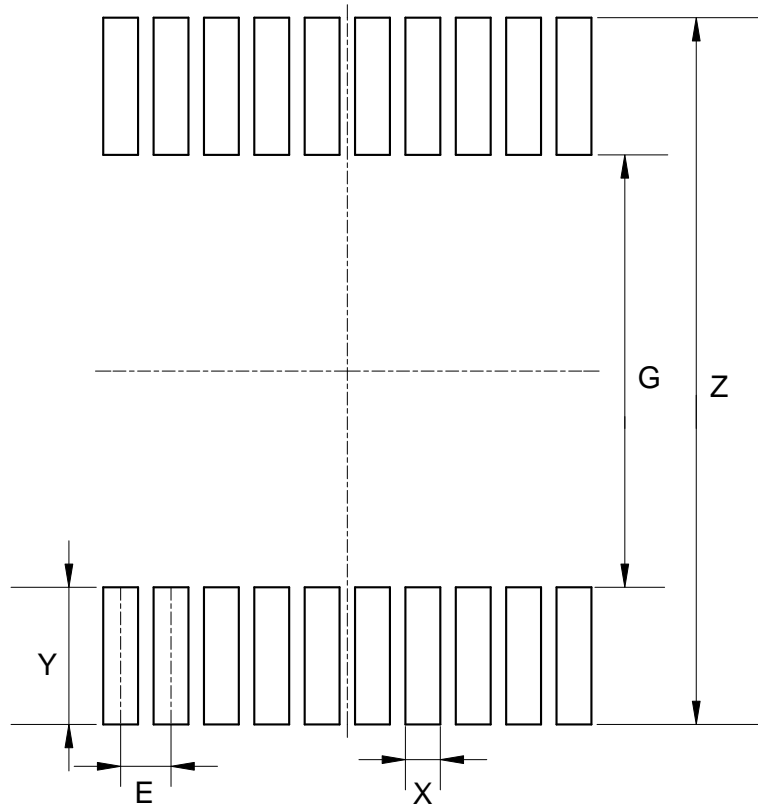
Note: Eject hole, oriented hole and mold mark is optional



Packaging Information

Mounting Pad Layout

SSOP-20



Dimensions	Z (mm)/(inch)	G (mm)/(inch)	X (mm)/(inch)	Y (mm)/(inch)	E (mm)/(inch)
Value	9.120/0.359	5.580/0.220	0.450/0.018	1.770/0.070	0.650/0.026

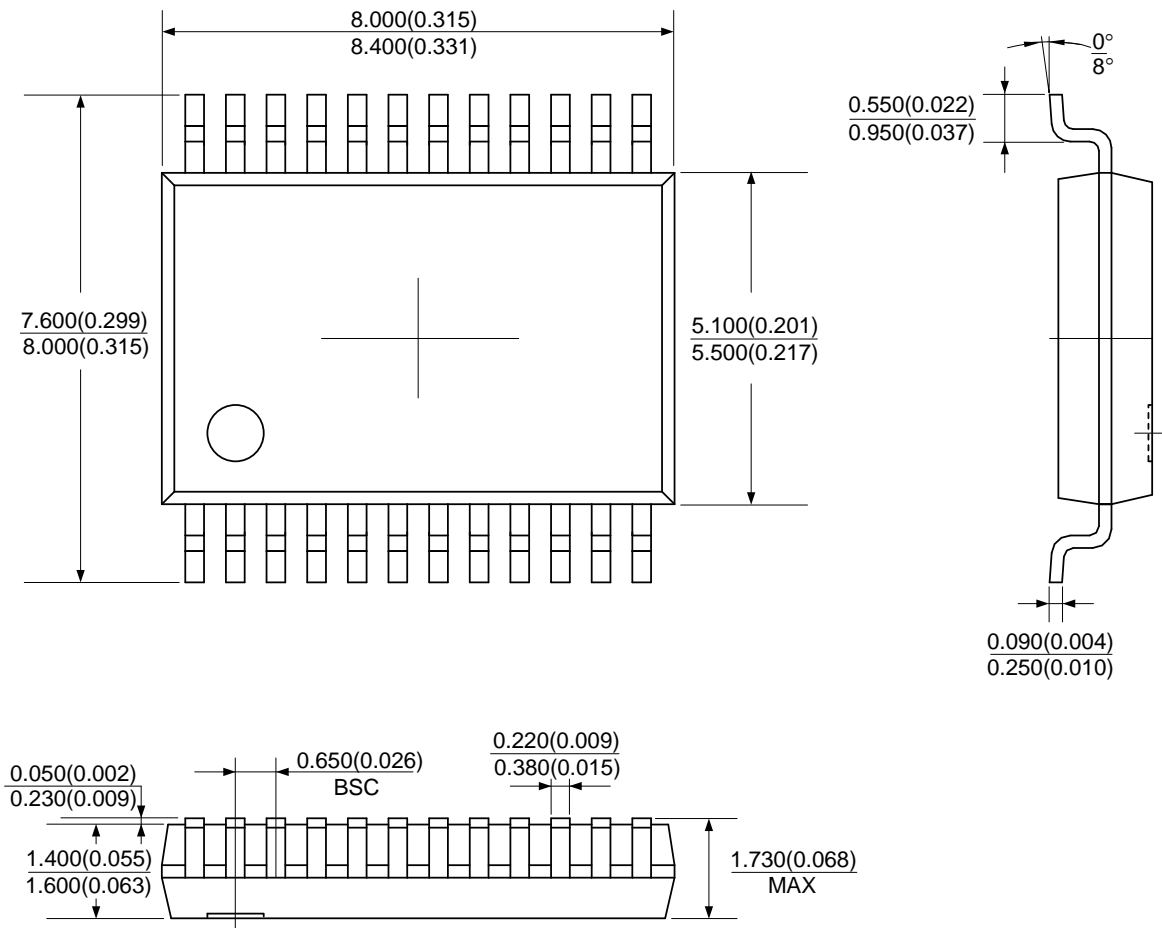


Packaging Information

Mechanical Dimensions

SSOP-24

Unit: mm(inch)



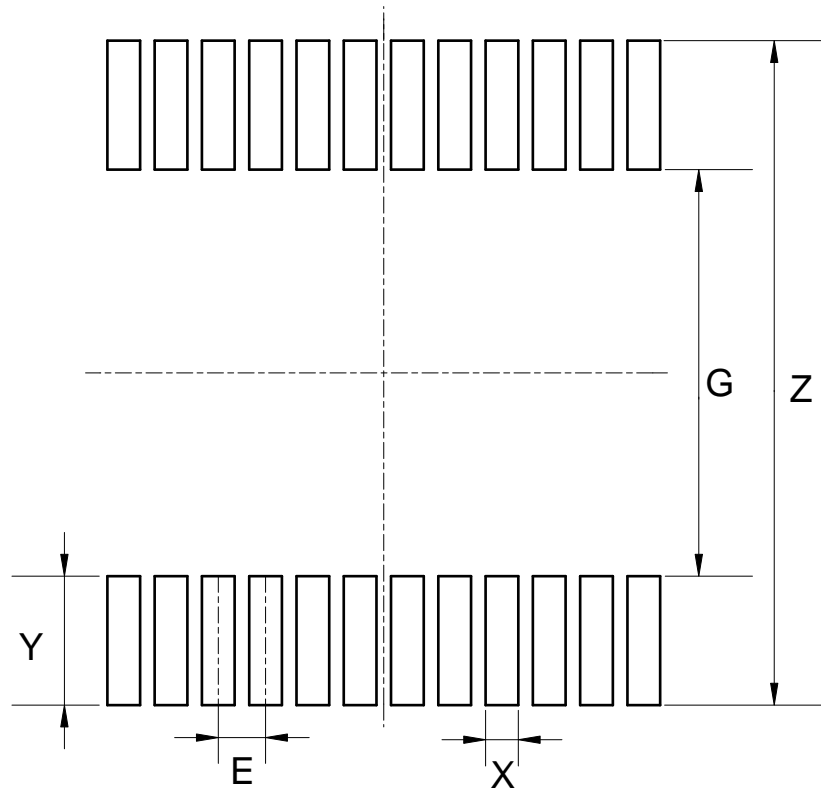
Note: Eject hole, oriented hole and mold mark is optional.



Packaging Information

Mounting Pad Layout

SSOP-24



Dimensions	Z (mm)/(inch)	G (mm)/(inch)	X (mm)/(inch)	Y (mm)/(inch)	E (mm)/(inch)
Value	9.120/0.359	5.580/0.220	0.450/0.018	1.770/0.070	0.650/0.026

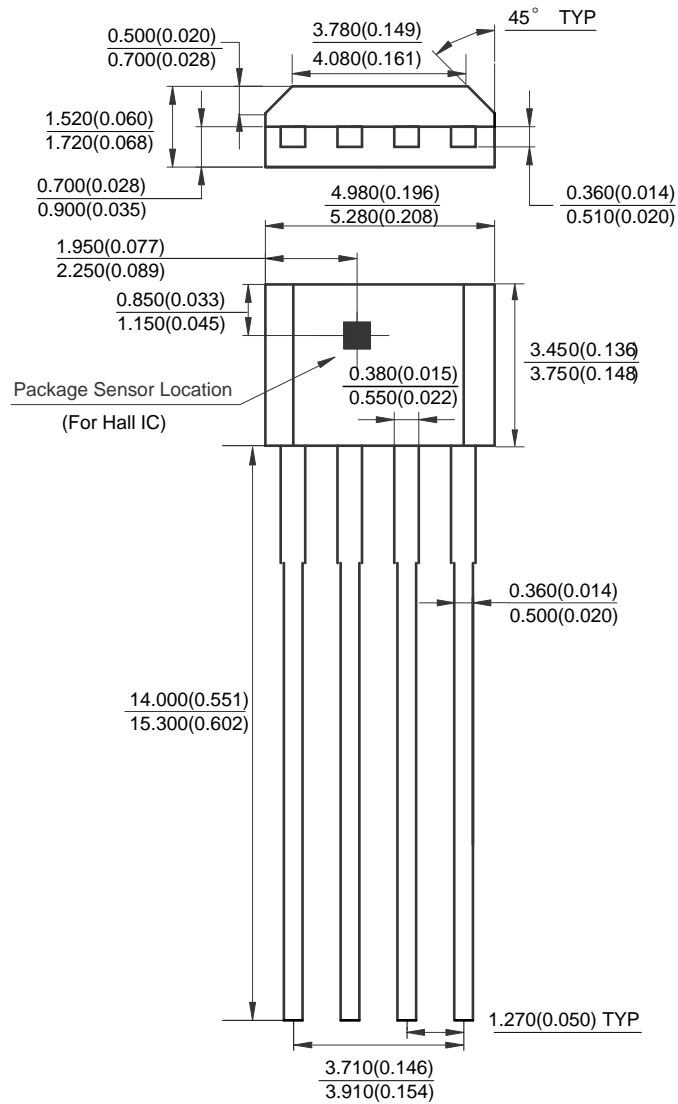


Packaging Information

Mechanical Dimensions

TO-94(Only for AH477)

Unit: mm(inch)



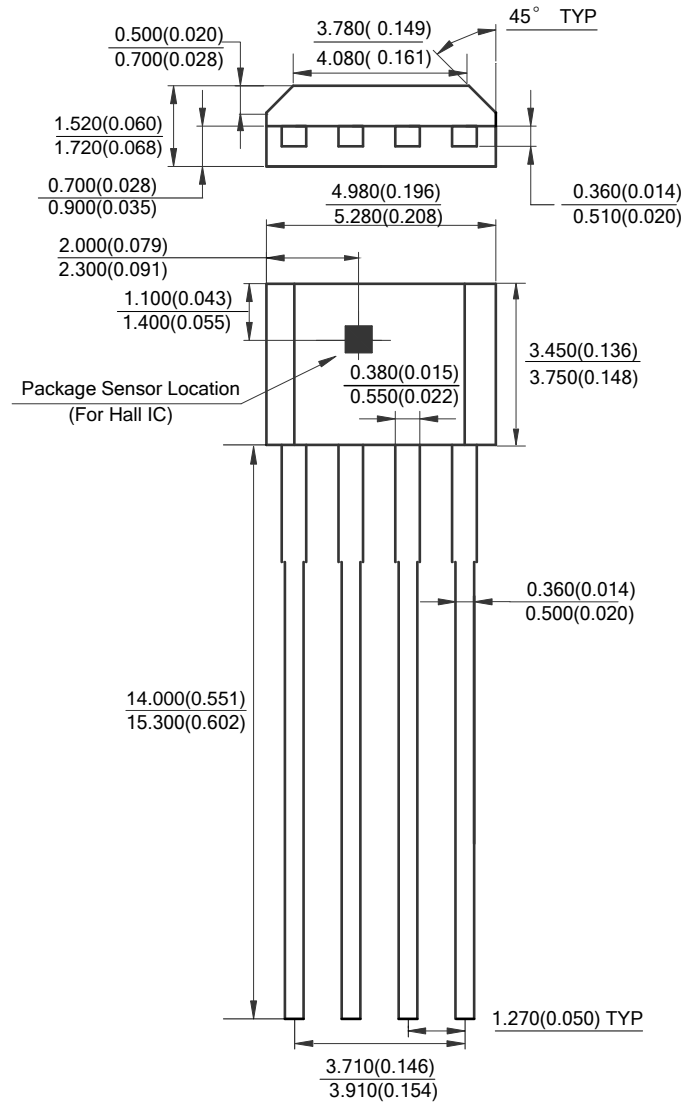


Packaging Information

Mechanical Dimensions

TO-94(Only for AH9279)

Unit: mm(inch)



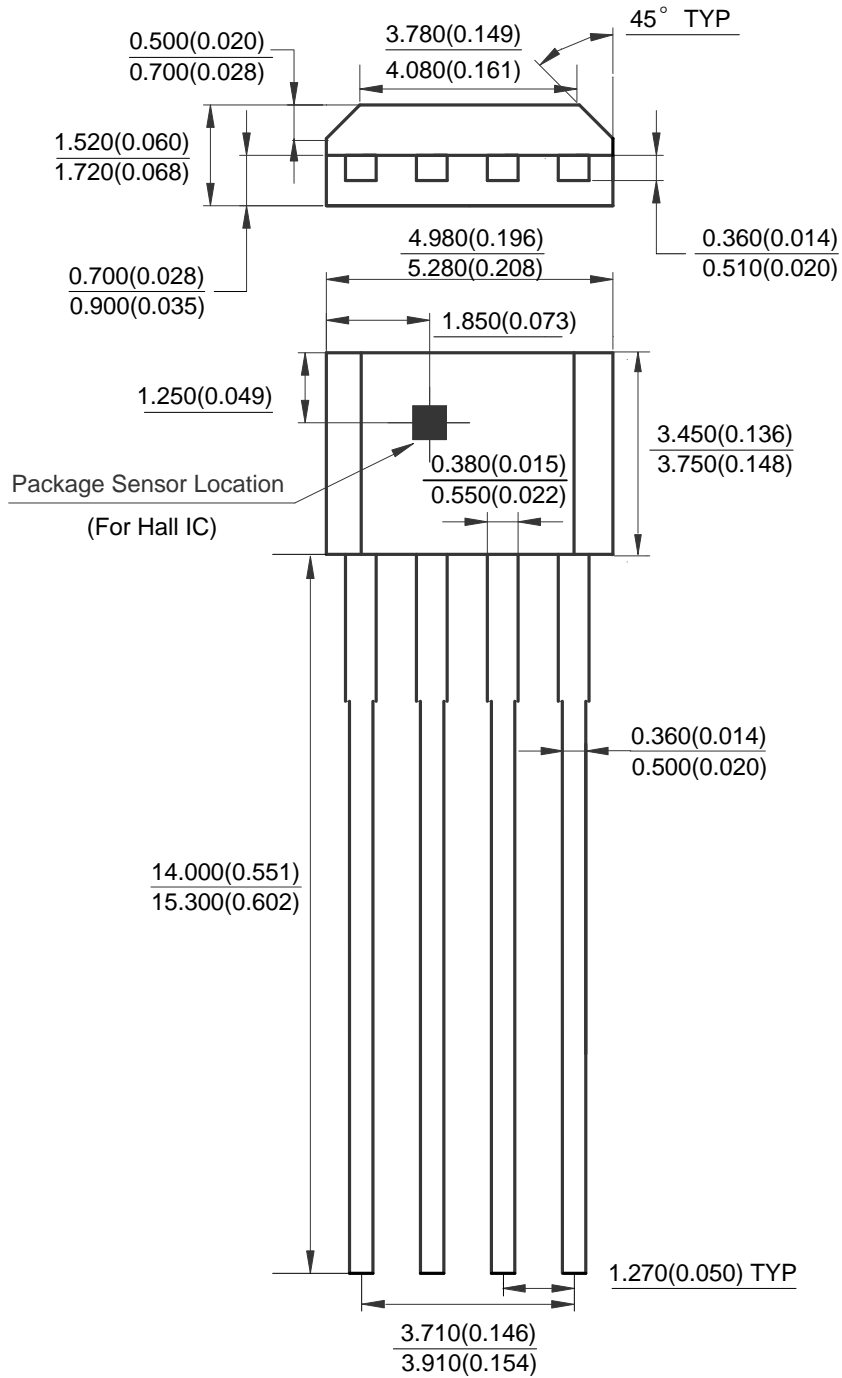


Packaging Information

Mechanical Dimensions

TO-94(Only for AH277A)

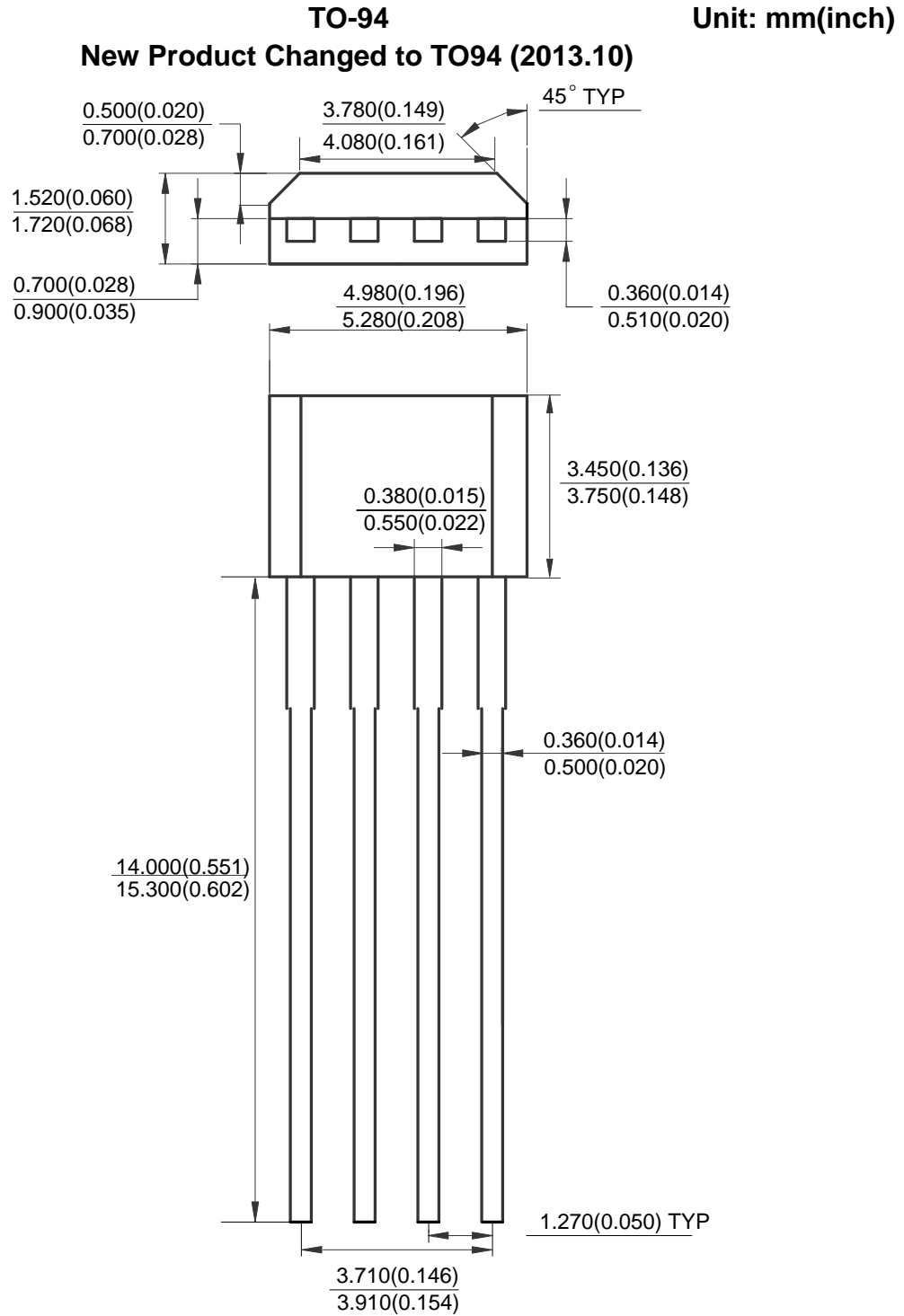
Unit: mm(inch)





Packaging Information

Mechanical Dimensions



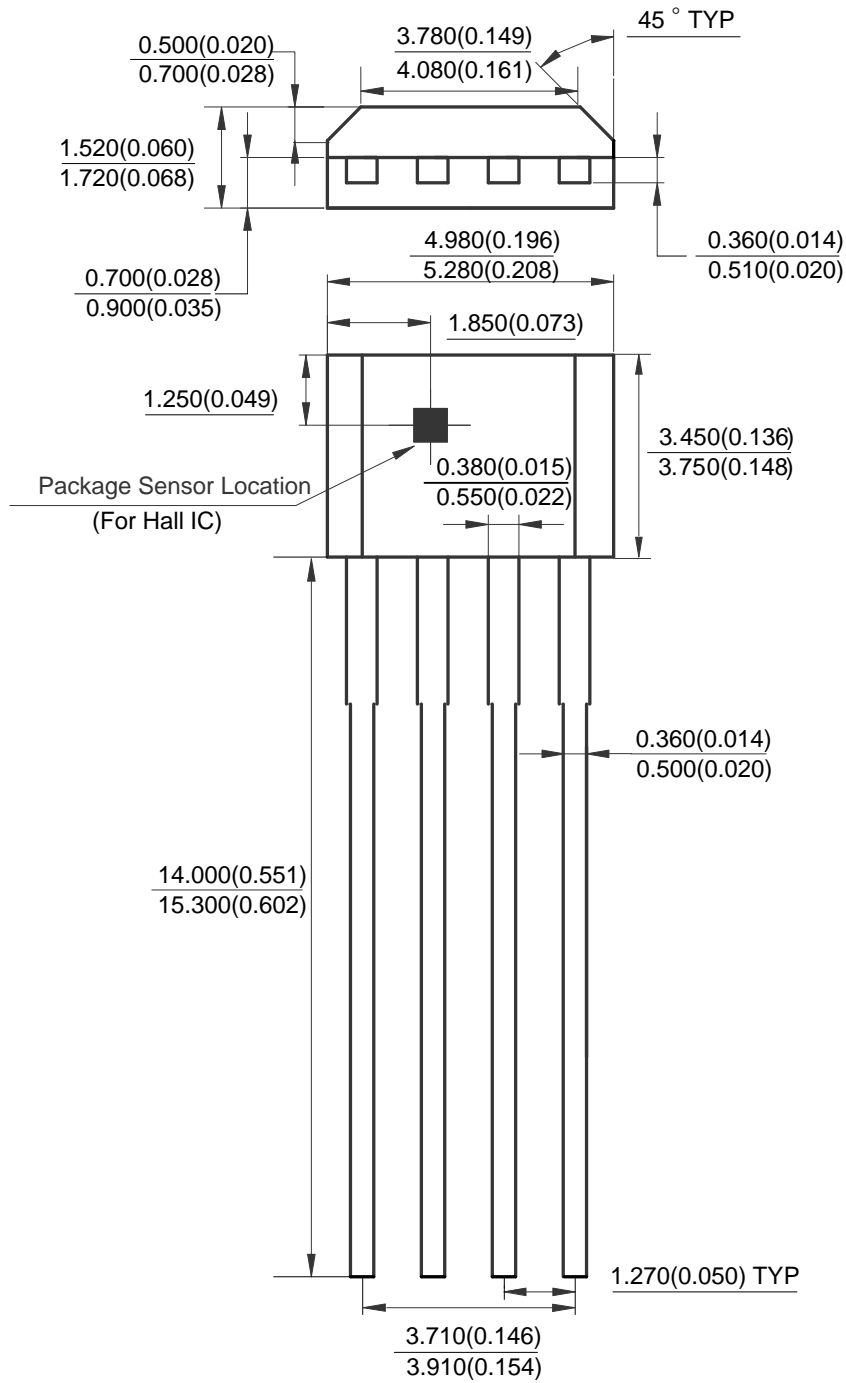


Packaging Information

Mechanical Dimensions

TO-94(For AH266 only)

Unit: mm(inch)



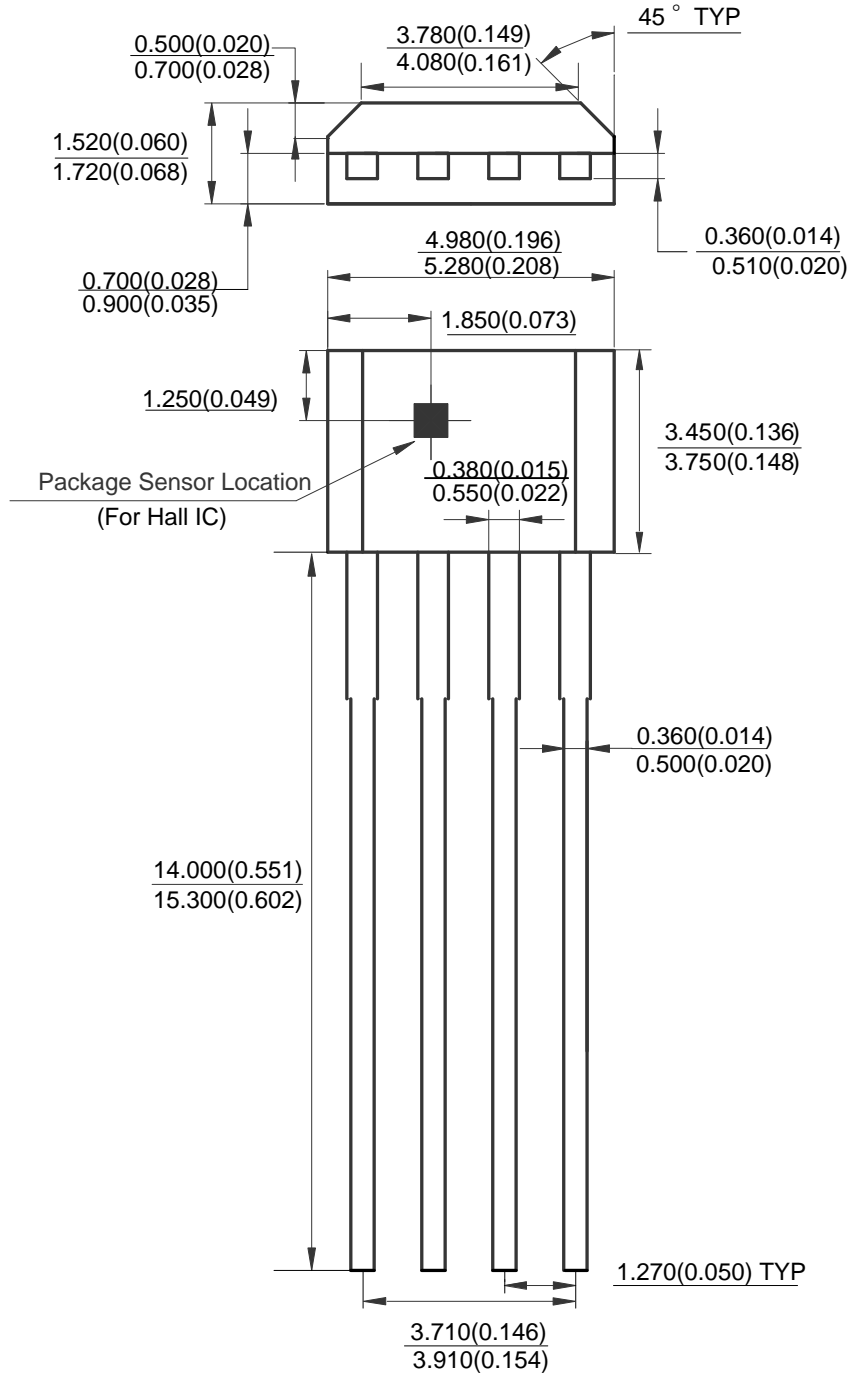


Packaging Information

Mechanical Dimensions

TO-94(For AH276 only)

Unit: mm(inch)



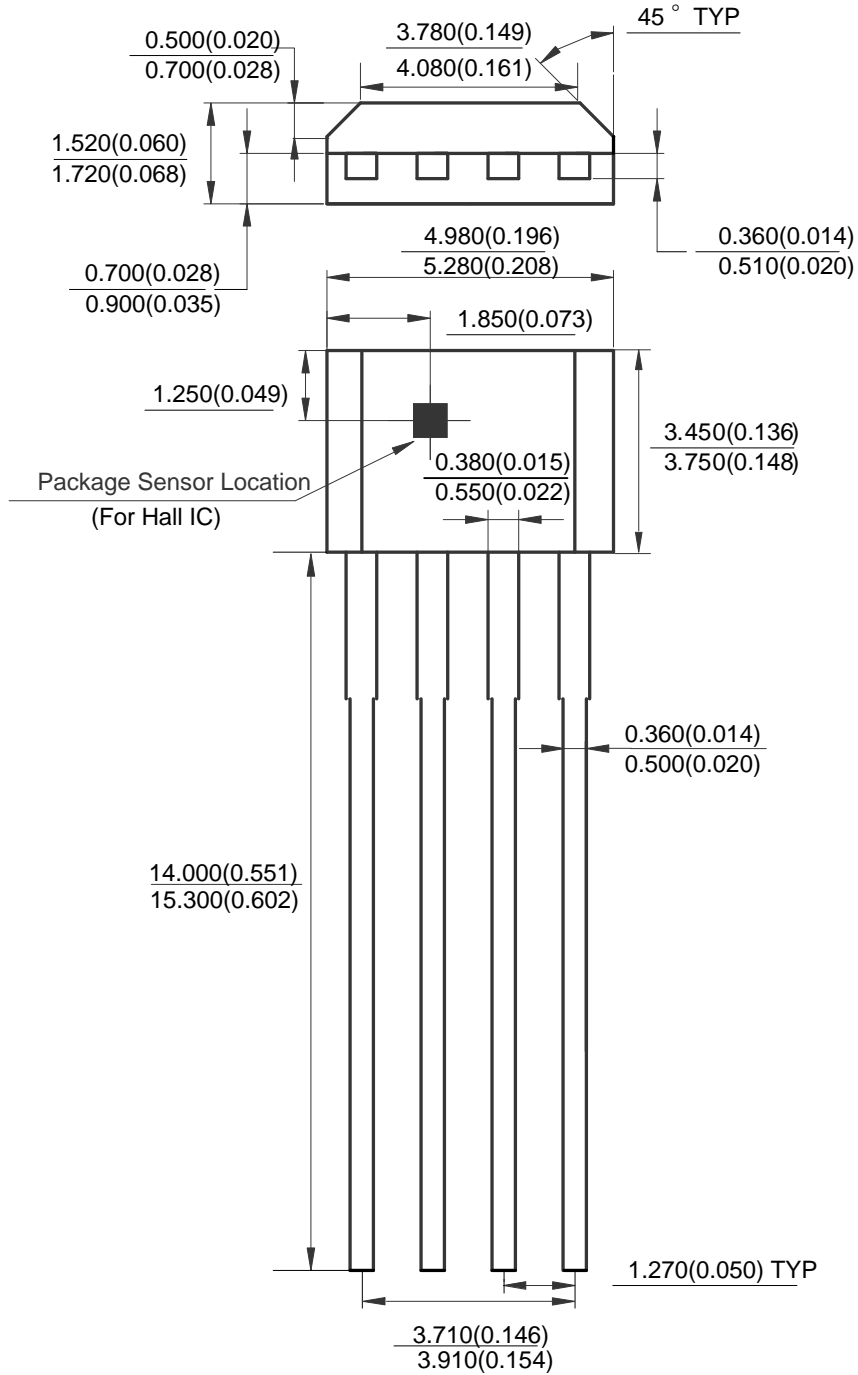


Packaging Information

Mechanical Dimensions

TO-94(For AH278 only)

Unit: mm(inch)



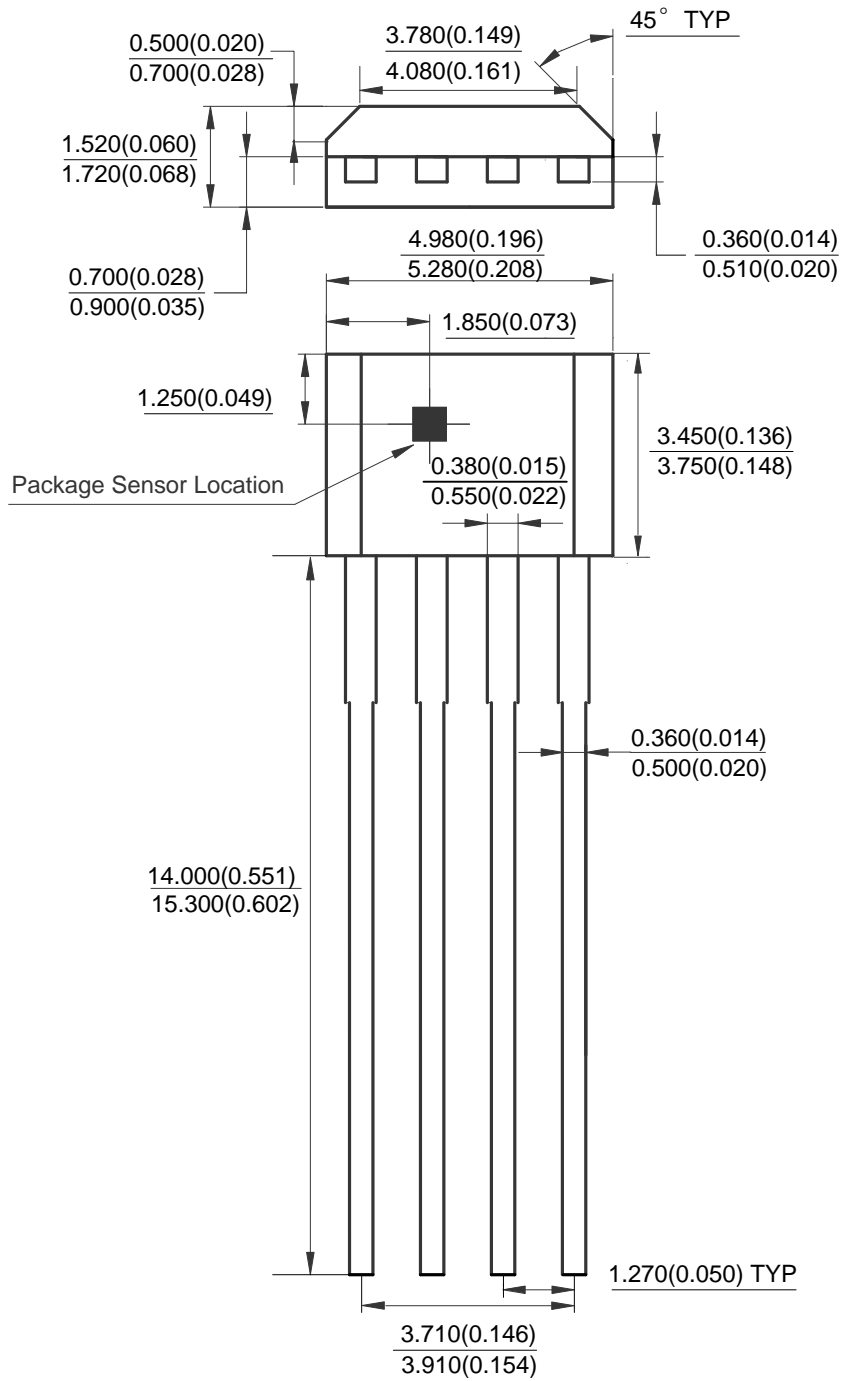


Packaging Information

Mechanical Dimensions

TO-94(For AH211 only)

Unit: mm(inch)



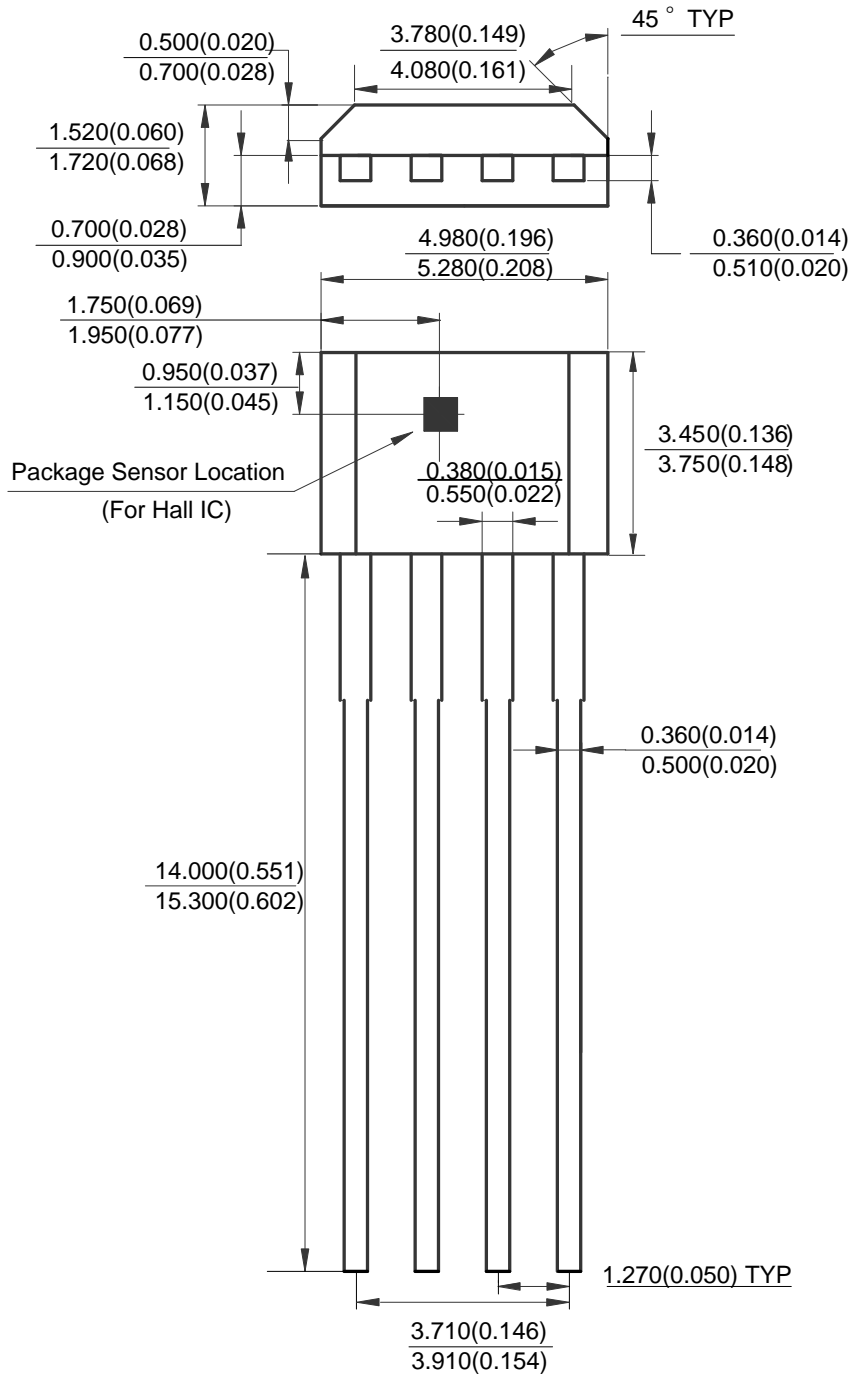


Packaging Information

Mechanical Dimensions

TO-94(For AH9479 only)

Unit: mm(inch)



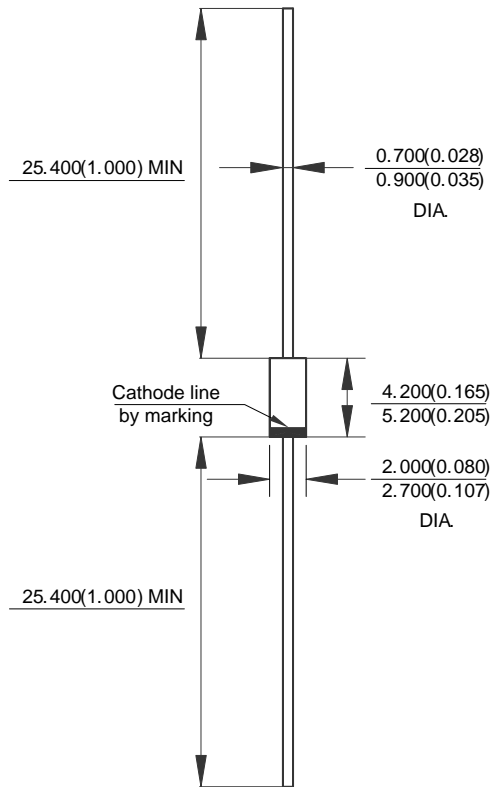


Packaging Information

Mechanical Dimensions

DO-41

Unit: mm(inch)



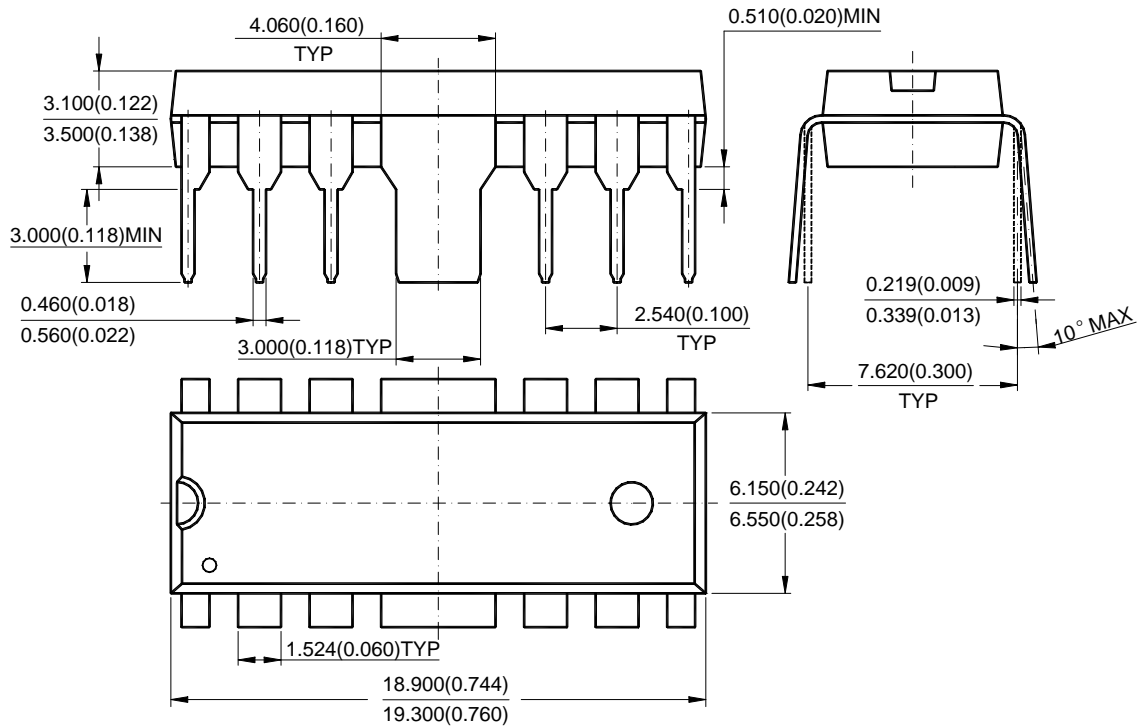


Packaging Information

Mechanical Dimensions

HDIP-12

Unit: mm(inch)

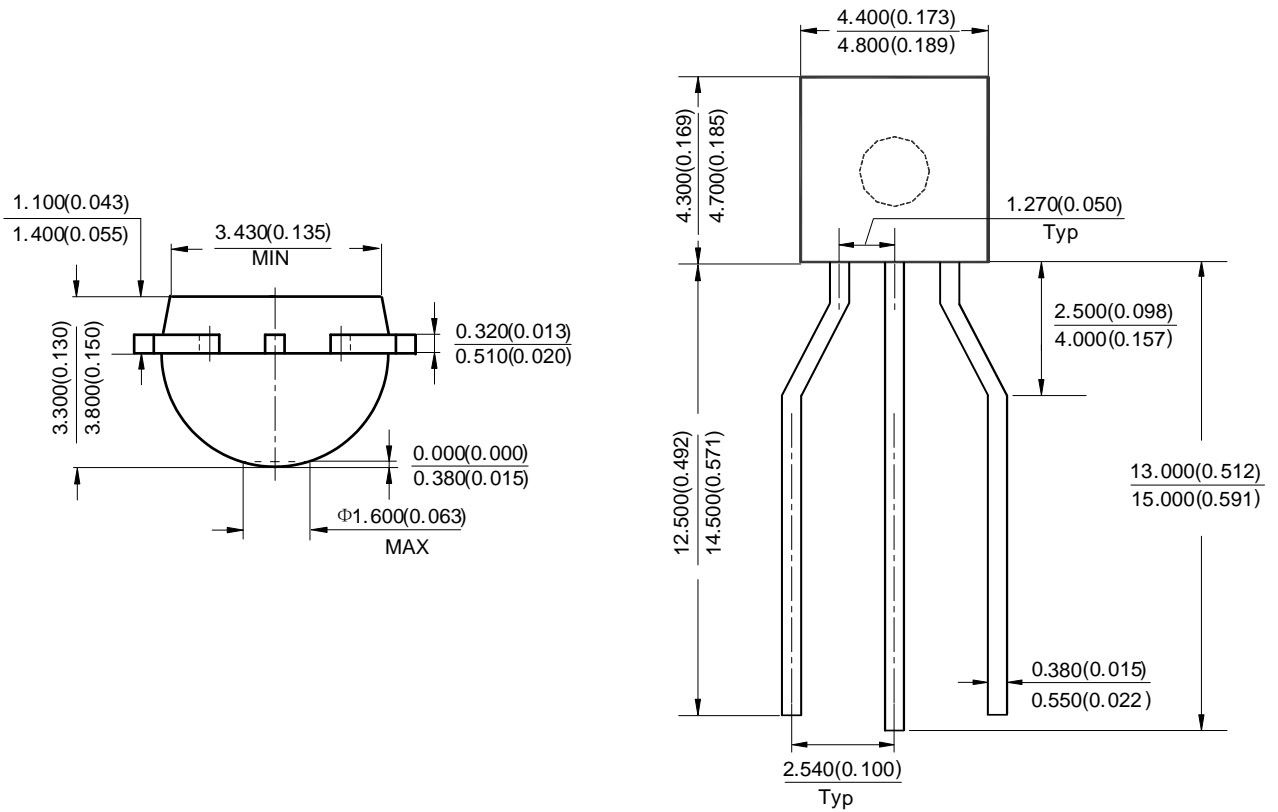




Packaging Information

Mechanical Dimensions

TO-92 (Ammo Packing) Unit: mm(inch)
New Product Changed to TO92(Ammo Packing) (2013.10)



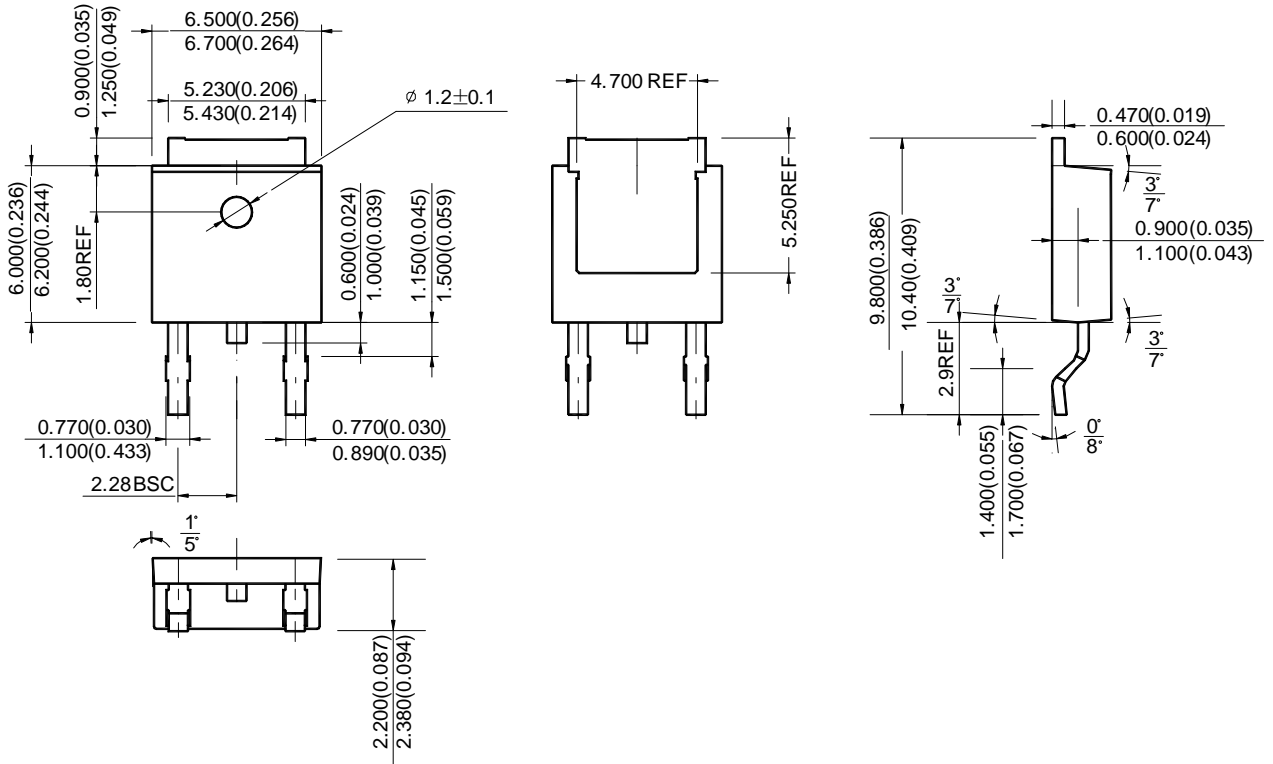


Packaging Information

Mechanical Dimensions

TO-252-2 (2)
New Product Changed to TO252-2 (2) (2013.10)

Unit: mm(inch)



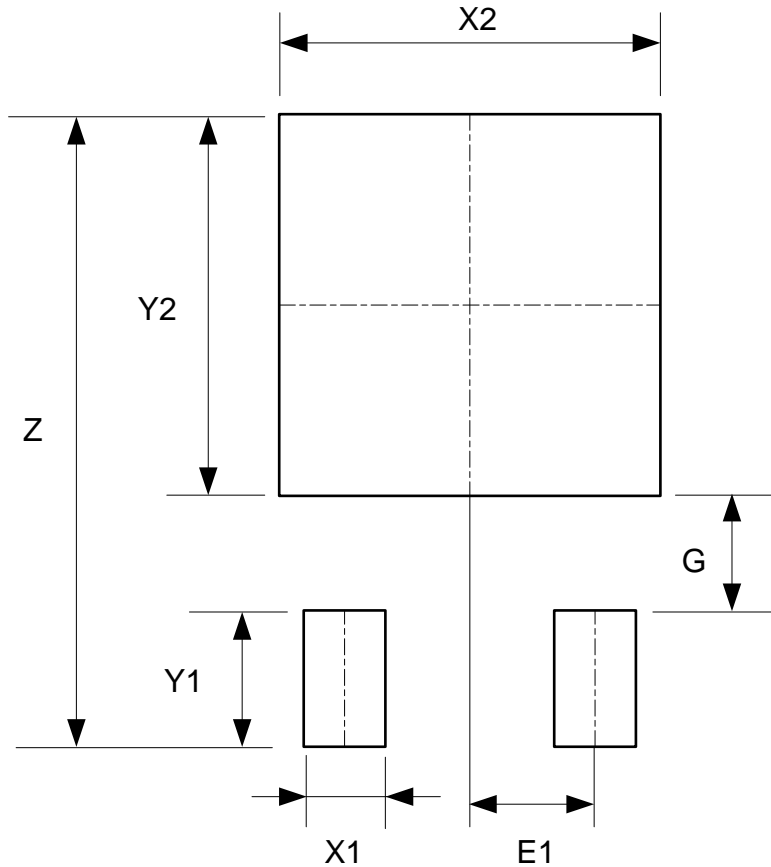


Packaging Information

Mounting Pad Layout

TO-252-2(2)

Unit: mm(inch)



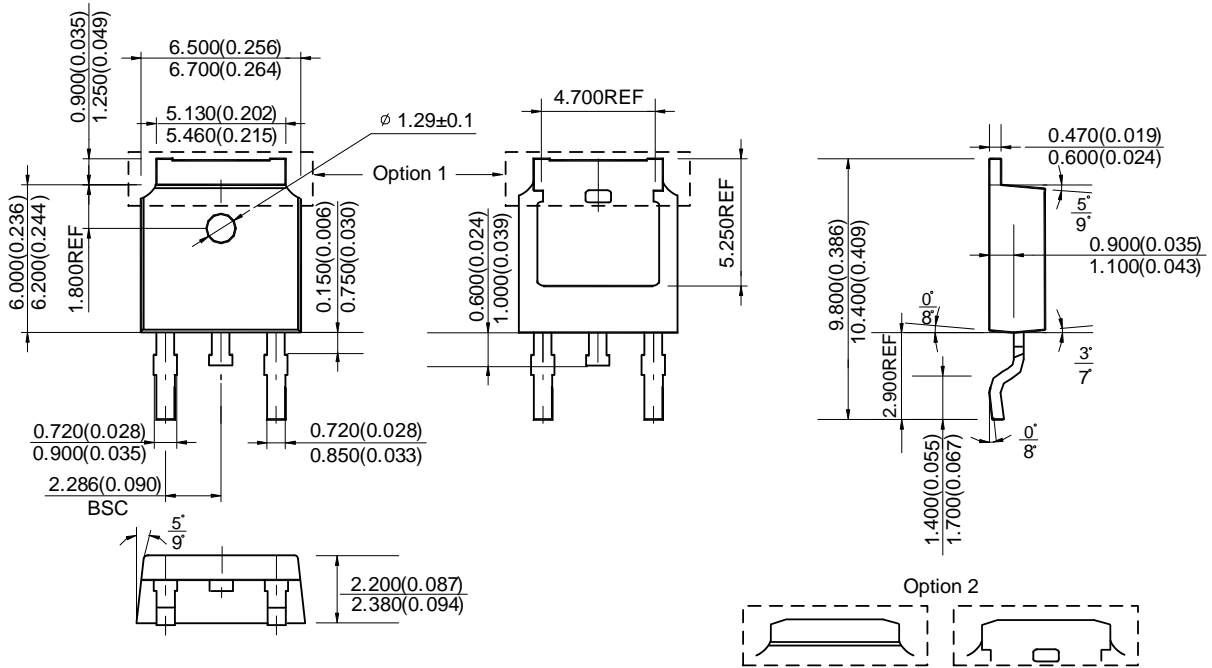
Dimensions	Z (mm)/(inch)	X1 (mm)/(inch)	X2=Y2 (mm)/(inch)	Y1 (mm)/(inch)	G (mm)/(inch)	E1 (mm)/(inch)
Value	11.600/0.457	1.500/0.059	7.000/0.276	2.500/0.098	2.100/0.083	2.300/0.091



Packaging Information

Mechanical Dimensions

TO-252-2 (3) **Unit: mm(inch)**
New Product Changed to TO252-2 (3) (2013.10)



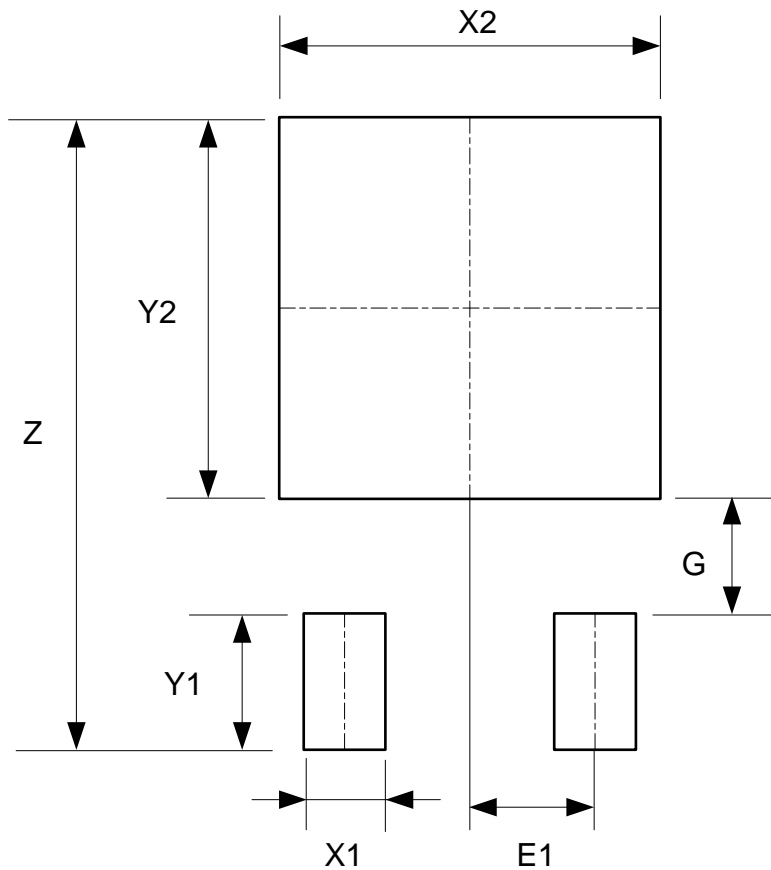


Packaging Information

Mounting Pad Layout

TO-252-2(3)

Unit: mm(inch)



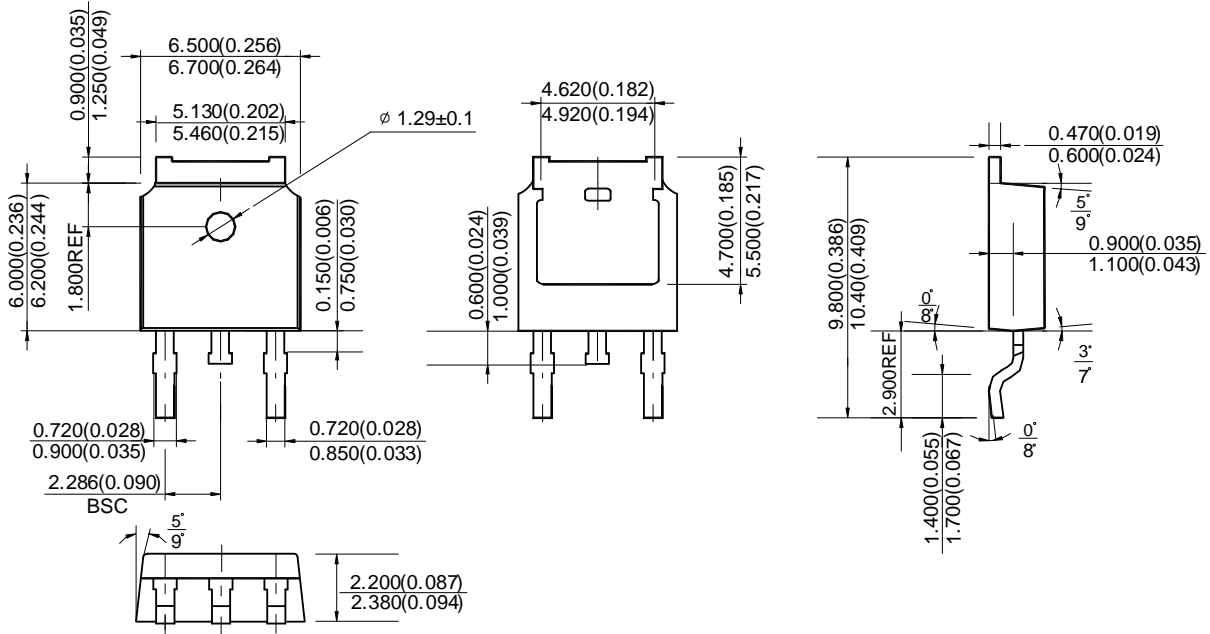
Dimensions	Z (mm)/(inch)	X1 (mm)/(inch)	X2=Y2 (mm)/(inch)	Y1 (mm)/(inch)	G (mm)/(inch)	E1 (mm)/(inch)
Value	11.600/0.457	1.500/0.059	7.000/0.276	2.500/0.098	2.100/0.083	2.300/0.091



Packaging Information

Mechanical Dimensions

TO-252-2 (3) (Only for AP2114 Special for Qisda) Unit: mm(inch)

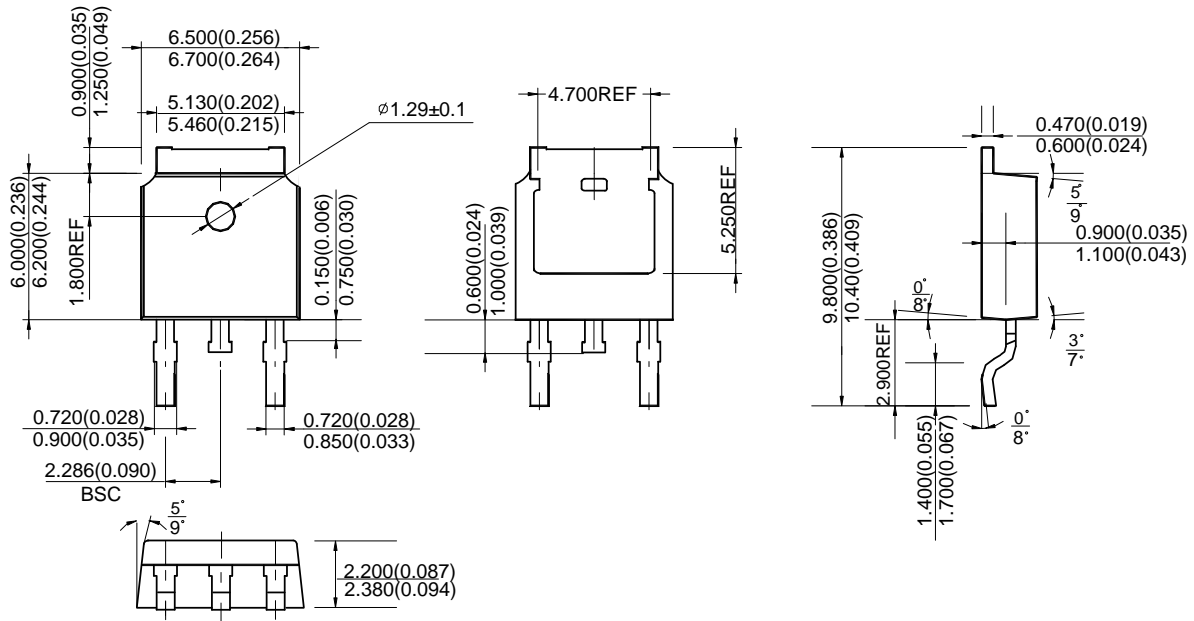




Packaging Information

Mechanical Dimensions

TO-252-2 (3) (Only for AS78XXA Special for ASUS) Unit: mm(inch)



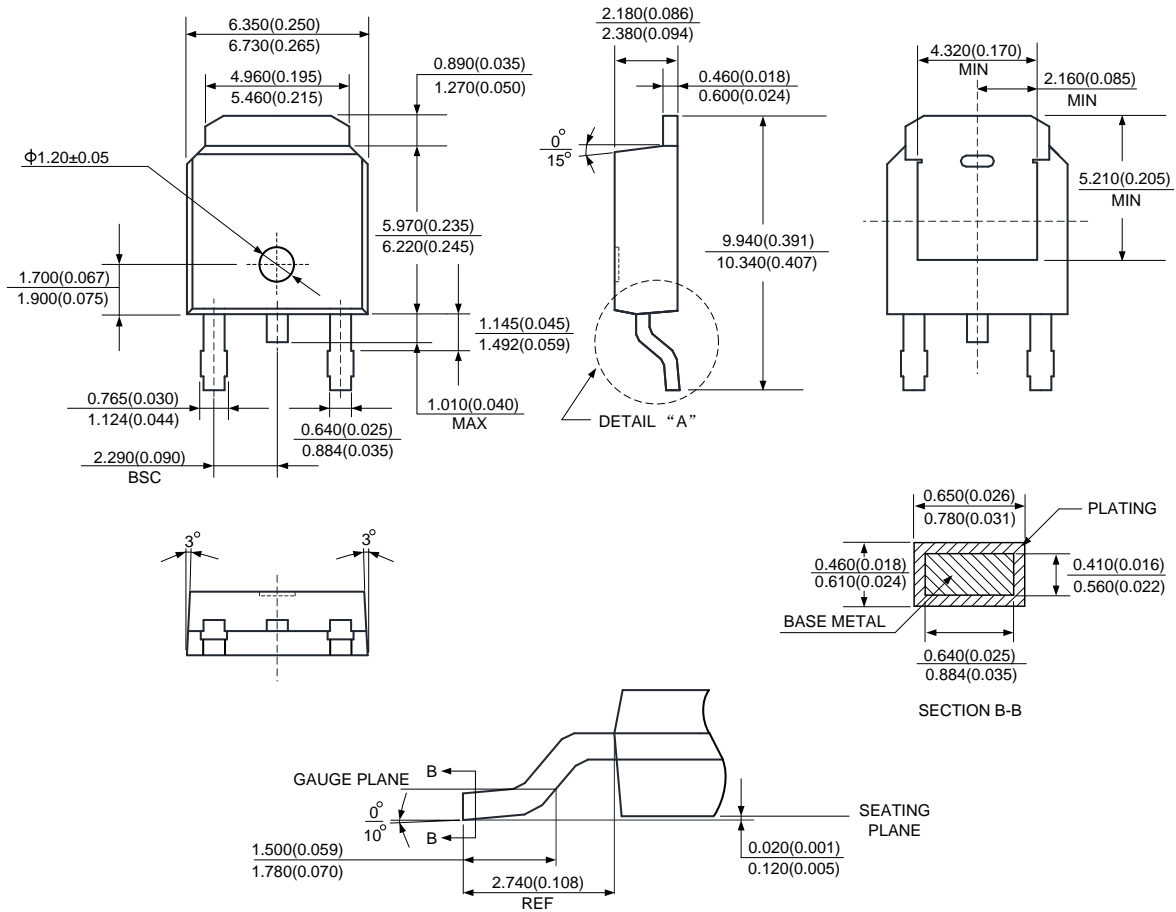


Packaging Information

Mechanical Dimensions

TO-252-2(4) New Product Changed to TO252-2 (4) (2013.10)

Unit: mm(inch)



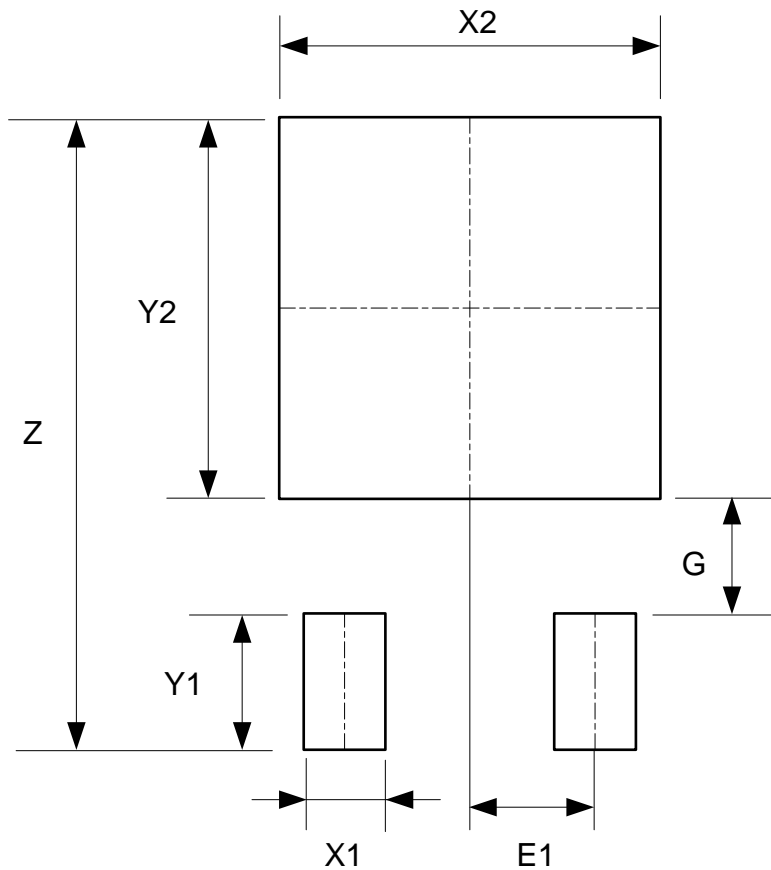


Packaging Information

Mounting Pad Layout

TO-252-2(4)

Unit: mm(inch)



Dimensions	Z (mm)/(inch)	X1 (mm)/(inch)	X2=Y2 (mm)/(inch)	Y1 (mm)/(inch)	G (mm)/(inch)	E1 (mm)/(inch)
Value	11.600/0.457	1.500/0.059	7.000/0.276	2.500/0.098	2.100/0.083	2.300/0.091



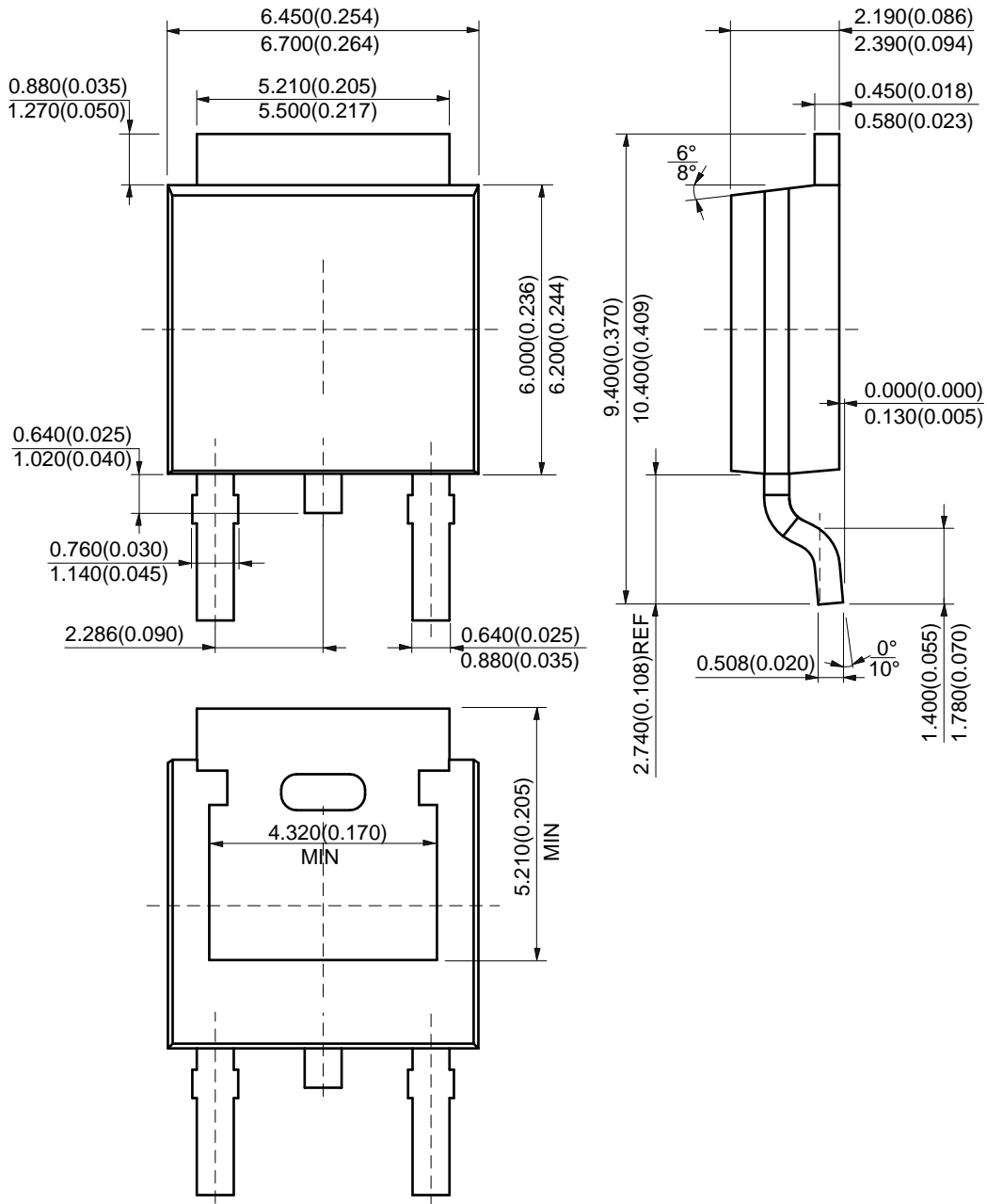
Packaging Information

Mechanical Dimensions

TO-252-2 (5)

Unit: mm(inch)

New Product Changed to TO252-2 (5) (2013.10)



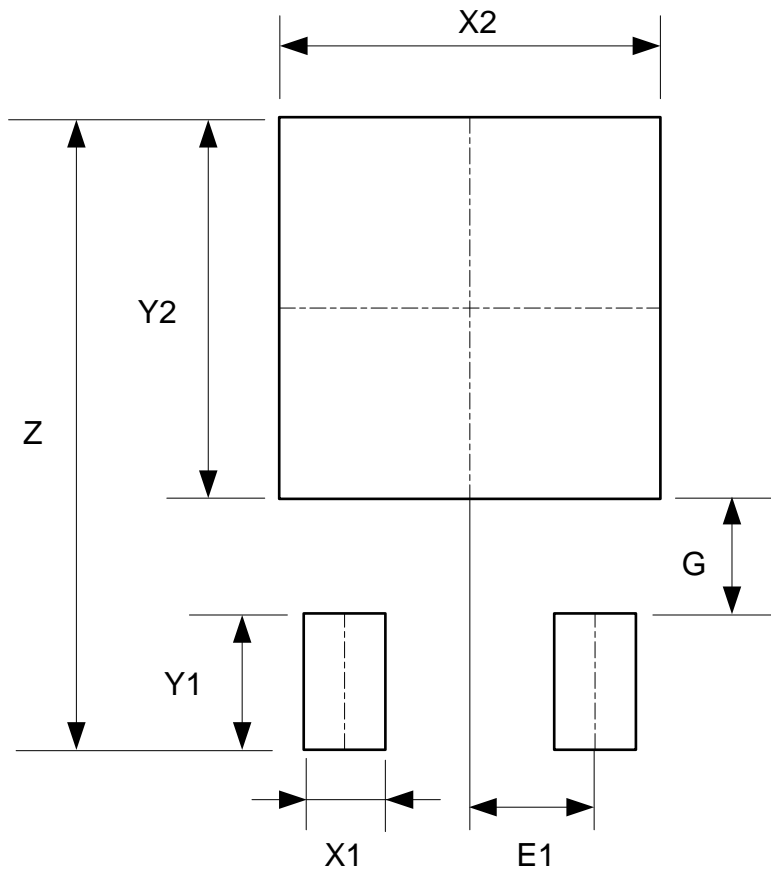


Packaging Information

Mounting Pad Layout

TO-252-2 (5)

Unit: mm(inch)



Dimensions	Z (mm)/(inch)	X1 (mm)/(inch)	X2=Y2 (mm)/(inch)	Y1 (mm)/(inch)	G (mm)/(inch)	E1 (mm)/(inch)
Value	11.600/0.457	1.500/0.059	7.000/0.276	2.500/0.098	2.100/0.083	2.300/0.091

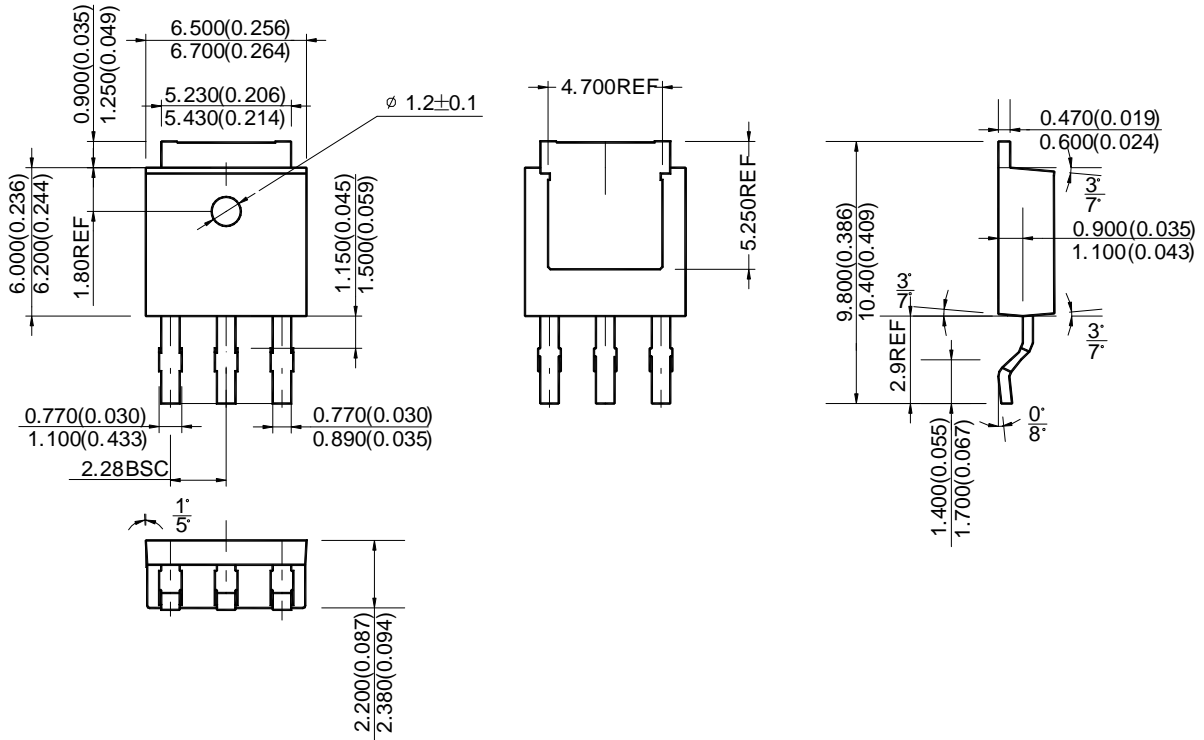


Packaging Information

Mechanical Dimensions

TO-252-3(2)
New Product Changed to TO252 (2) (2013.10)

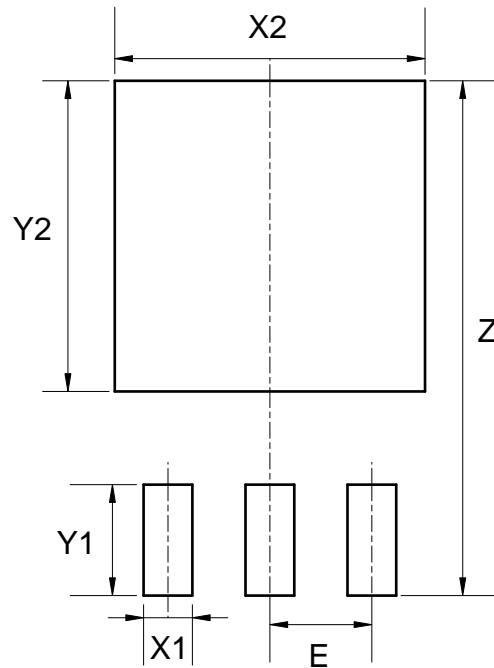
Unit: mm(inch)



Packaging Information

Mounting Pad Layout

TO-252-3(2)



Dimensions	Z (mm)/(inch)	X1 (mm)/(inch)	X2= Y2 (mm)/(inch)	Y1 (mm)/(inch)	E (mm)/(inch)
Value	11.600/0.457	1.100/0.043	7.000/0.276	2.500/0.098	2.300/0.091

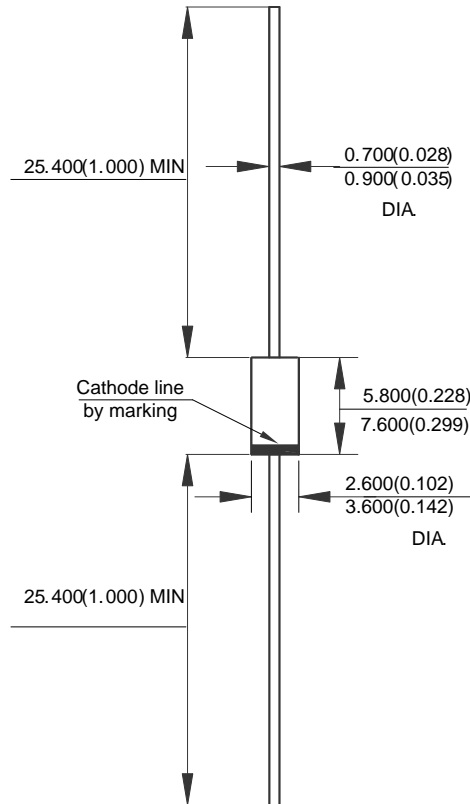


Packaging Information

Mechanical Dimensions

DO-15

Unit: mm(inch)





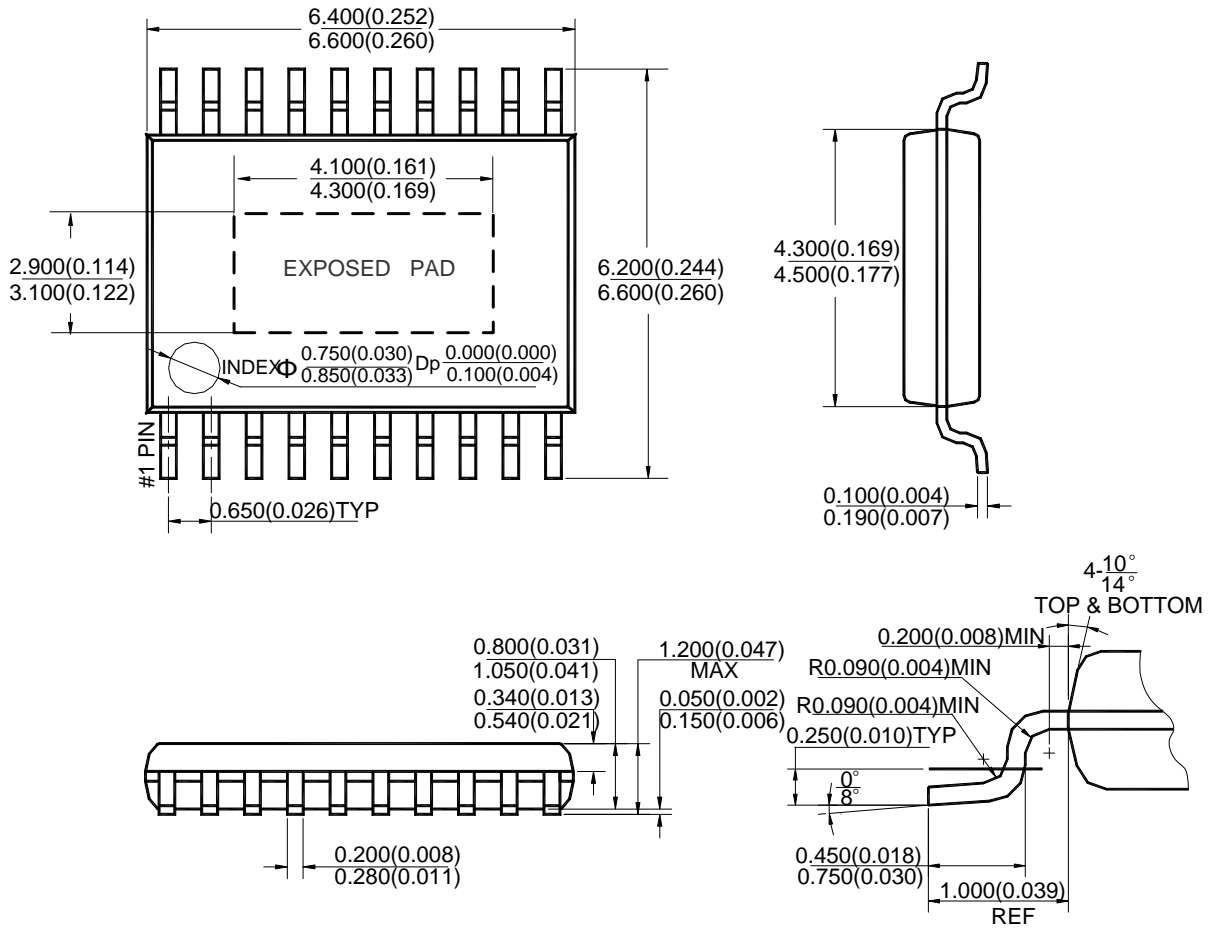
Packaging Information

Mechanical Dimensions

TSSOP-20 (EDP)

Unit: mm(inch)

New Product Changed to TSSOP-20EP (2013.10)



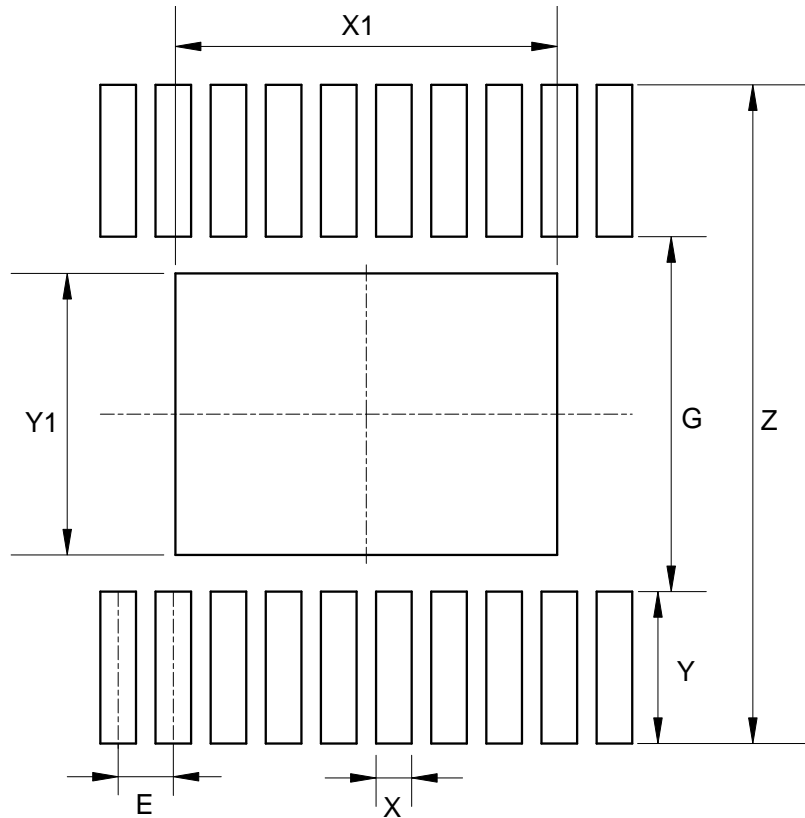
Note: Eject hole, oriented hole and mold mark is optional.



Packaging Information

Mounting Pad Layout

TSSOP-20 (EDP)



Dimensions	Z (mm)/(inch)	G (mm)/(inch)	X (mm)/(inch)	Y (mm)/(inch)
Value	7.720/0.304	4.160/0.164	0.420/0.017	1.780/0.070
Dimensions	E (mm)/(inch)	X1 (mm)/(inch)	Y1 (mm)/(inch)	---
Value	0.650/0.026	4.500/0.177	3.300/0.130	---

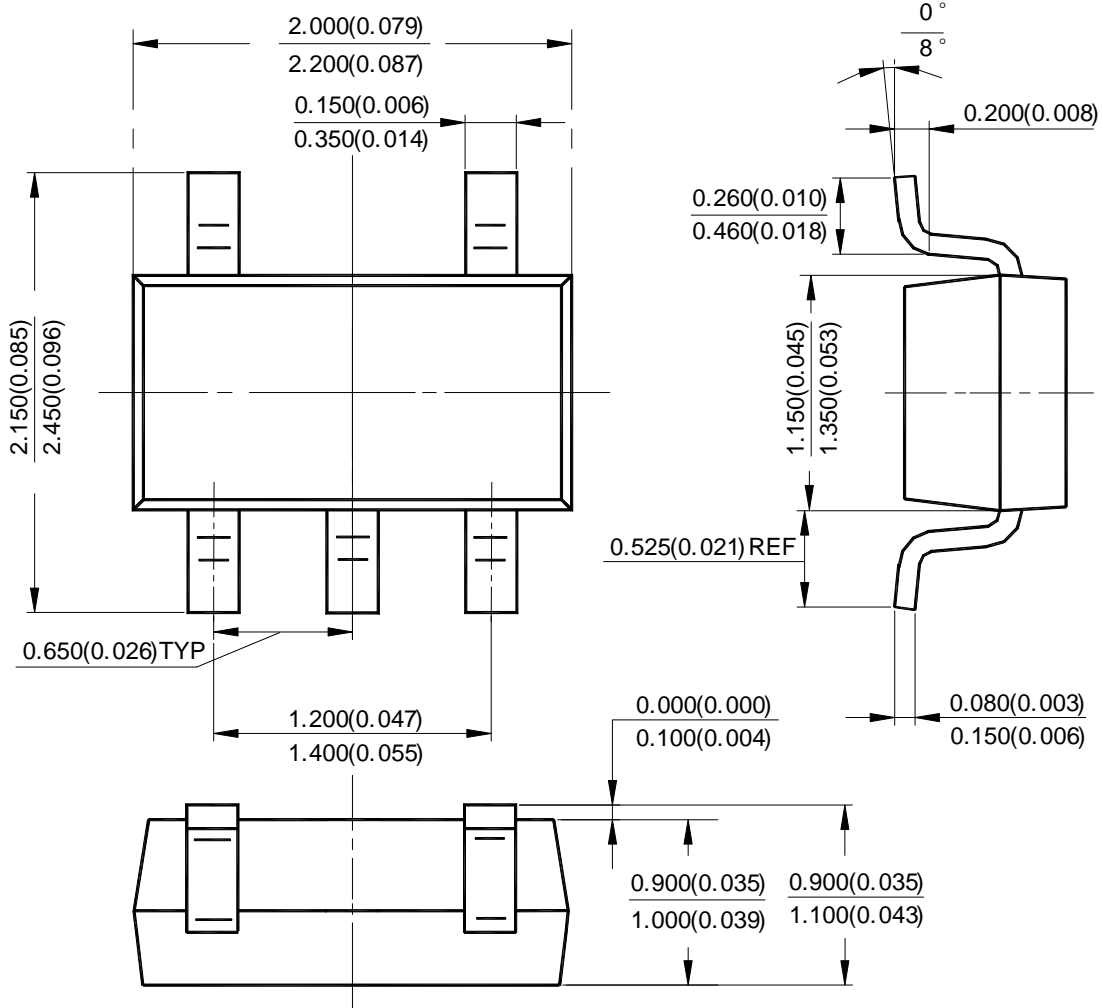


Packaging Information

Mechanical Dimensions

SC-70-5

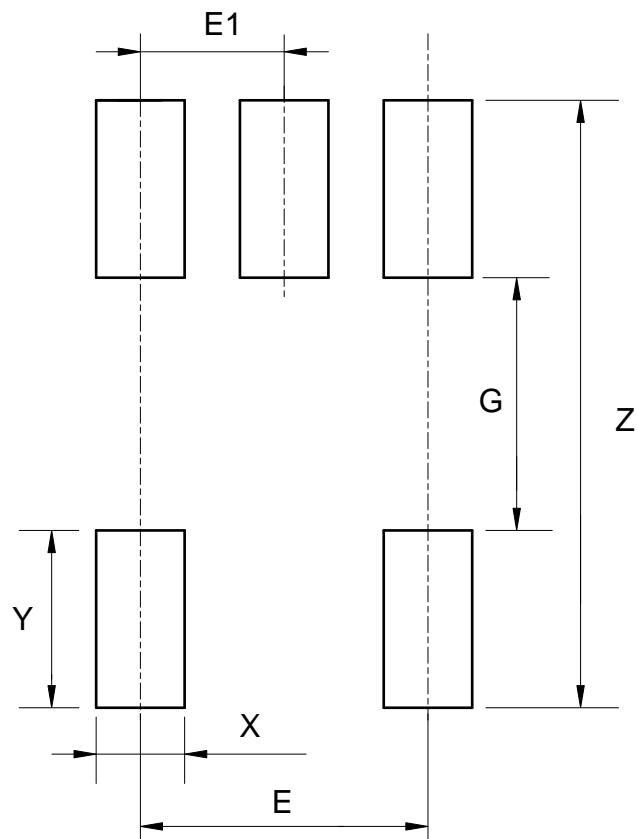
Unit: mm(inch)



Packaging Information

Mounting Pad Layout

SC-70-5



Dimensions	Z (mm)/(inch)	G (mm)/(inch)	X (mm)/(inch)	Y (mm)/(inch)	E (mm)/(inch)	E1 (mm)/(inch)
Value	2.740/0.108	1.140/0.045	0.400/0.016	0.800/0.031	1.300/0.051	0.650/0.026

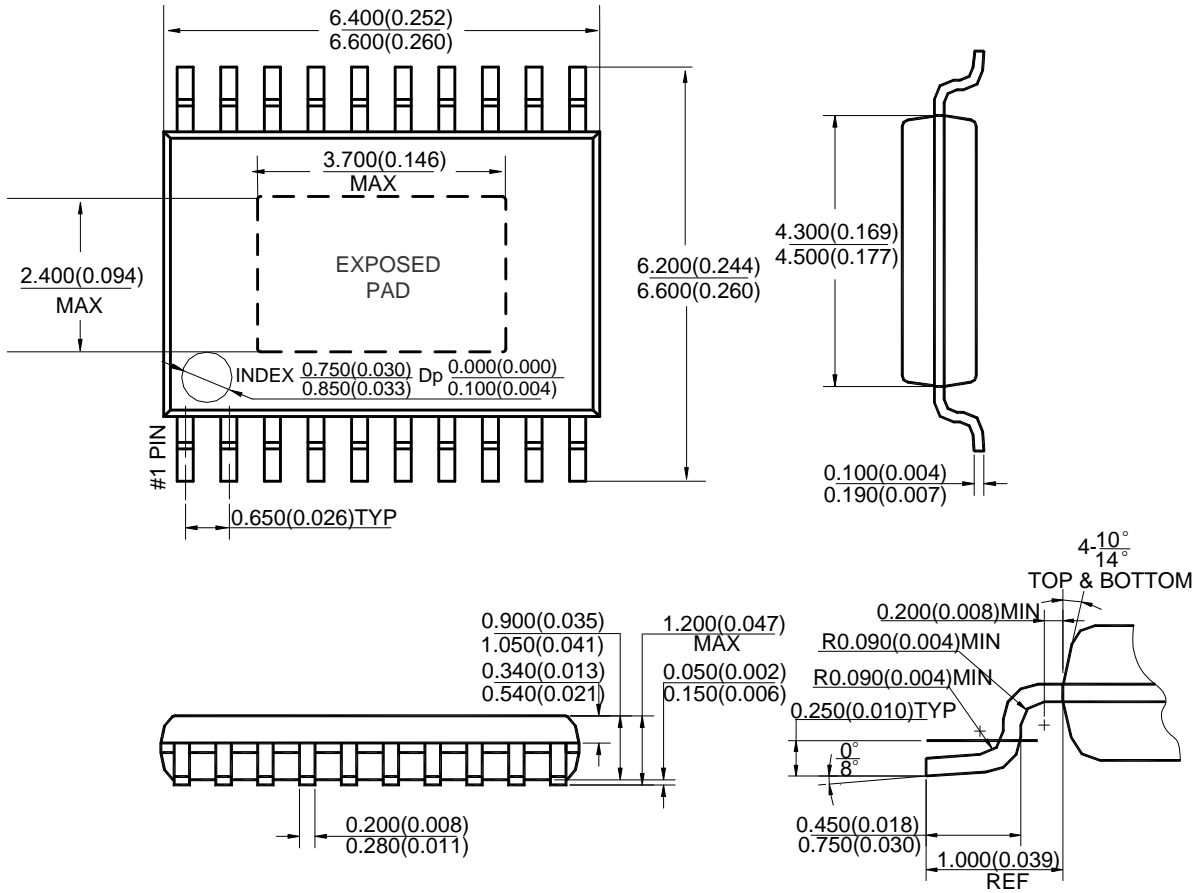


Packaging Information

Mechanical Dimensions

TSSOP-20 (EDP)(Only for AA4005)

Unit: mm(inch)



Note: Eject hole, oriented hole and mold mark is optional.



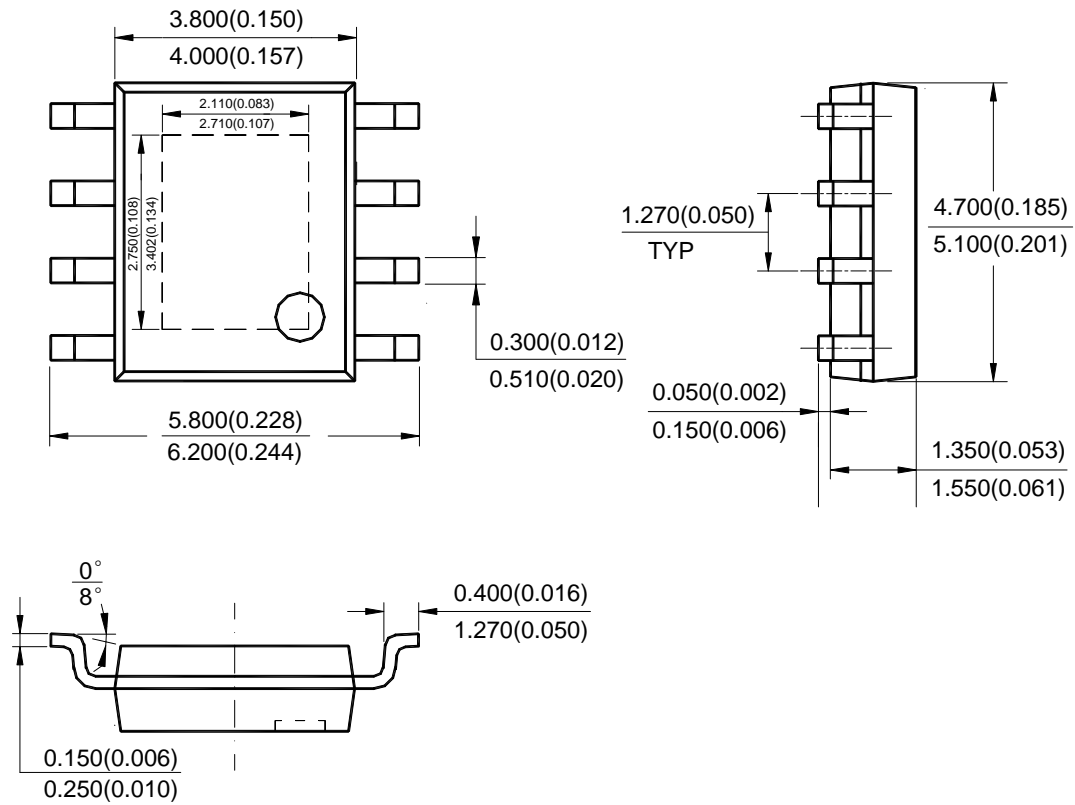
Packaging Information

Mechanical Dimensions

PSOP-8

Unit: mm(inch)

New Product Changed to SO-8EP (2013.10)



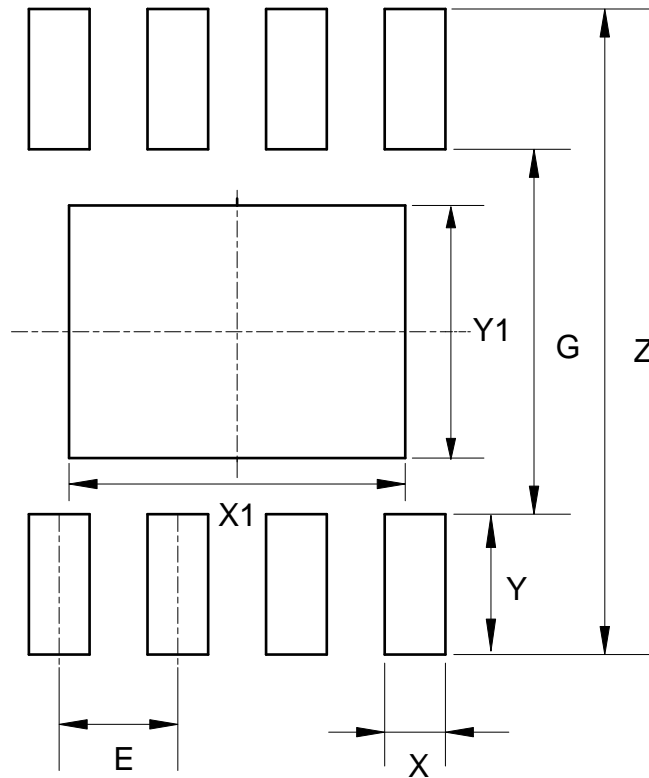
Note: Eject hole, oriented hole and mold mark is optional.



Packaging Information

Mounting Pad Layout

PSOP-8



Dimensions	Z (mm)/(inch)	G (mm)/(inch)	X (mm)/(inch)	Y (mm)/(inch)	X1 (mm)/(inch)	Y1 (mm)/(inch)	E (mm)/(inch)
Value	6.900/0.272	3.900/0.154	0.650/0.026	1.500/0.059	3.600/0.142	2.700/0.106	1.270/0.050

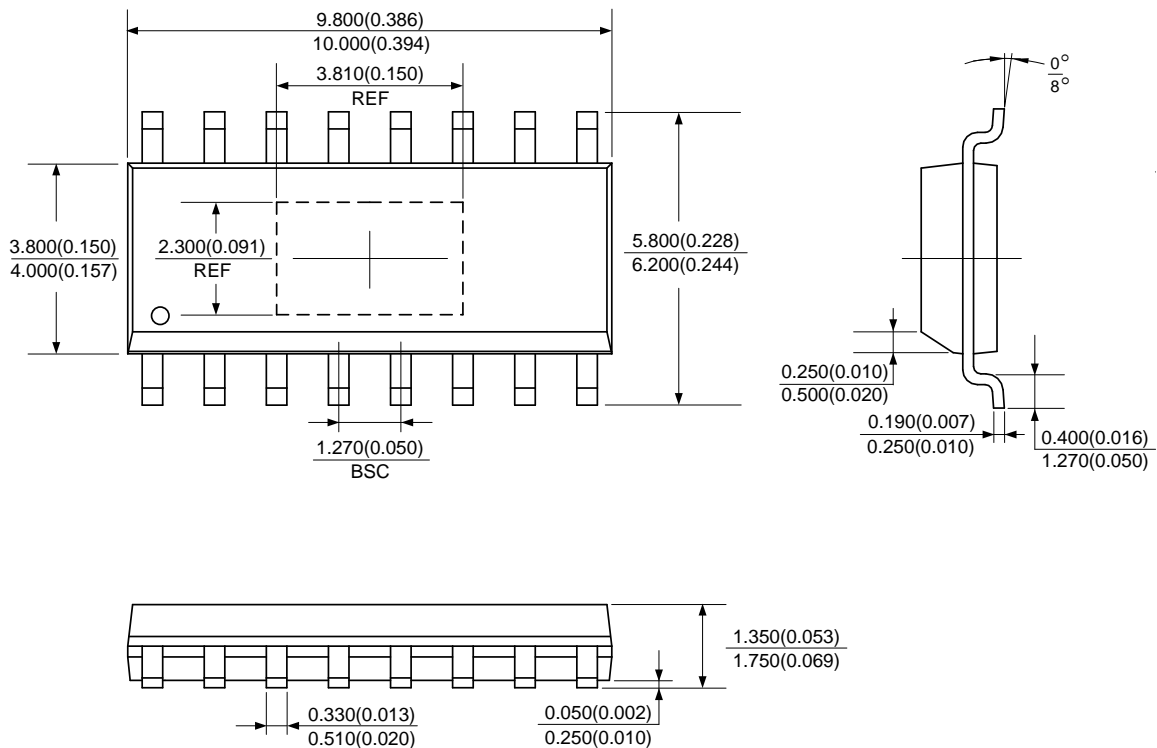


Packaging Information

Mechanical Dimensions

PSOP-16 New Product Changed to SO-16EP (2013.10)

Unit: mm(inch)

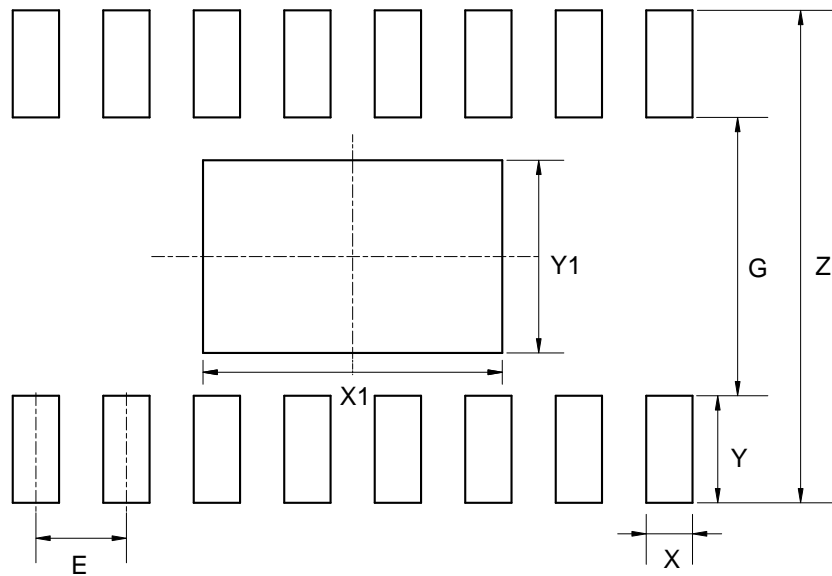


- Note: 1. Eject hole, oriented hole and mold mark is optional.
2. The figure of exposed pad is not restrained as regular rectangle.

Packaging Information

Mounting Pad Layout

PSOP-16



Dimensions	Z (mm)/(inch)	G (mm)/(inch)	X (mm)/(inch)	Y (mm)/(inch)
Value	6.900/0.272	3.900/0.154	0.650/0.026	1.500/0.059
Dimensions	E (mm)/(inch)	X1 (mm)/(inch)	Y1 (mm)/(inch)	---
Value	1.270/0.050	4.200/0.165	2.700/0.106	---

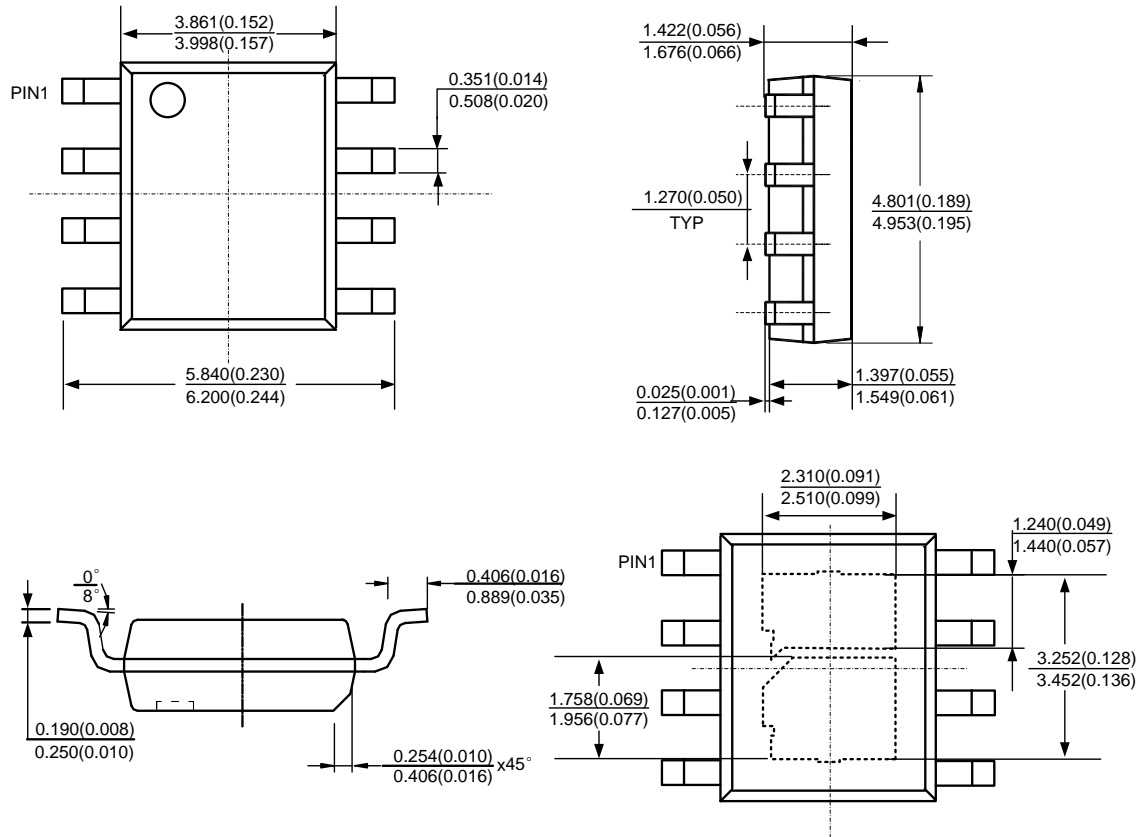


Packaging Information

Mechanical Dimensions

PSOP-8(D)

Unit: mm(inch)



Note: Eject hole, oriented hole and mold mark is optional.

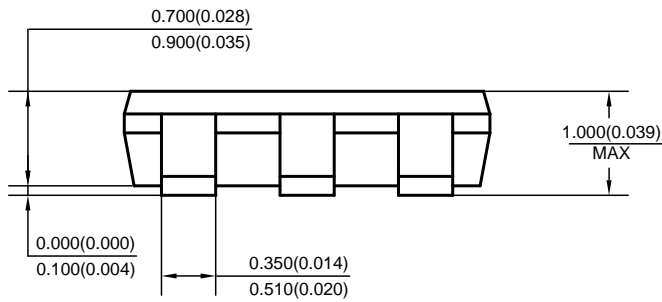
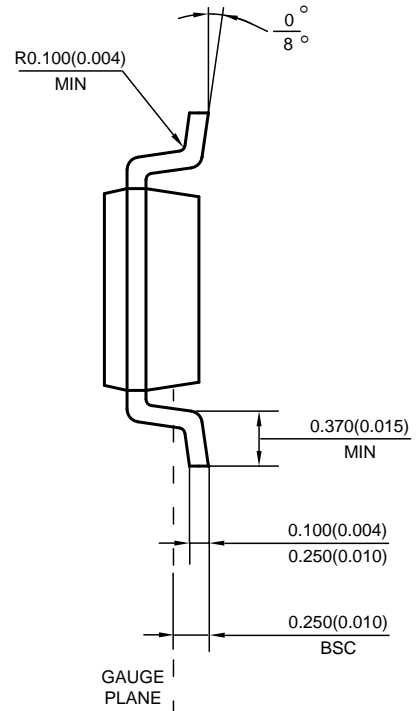
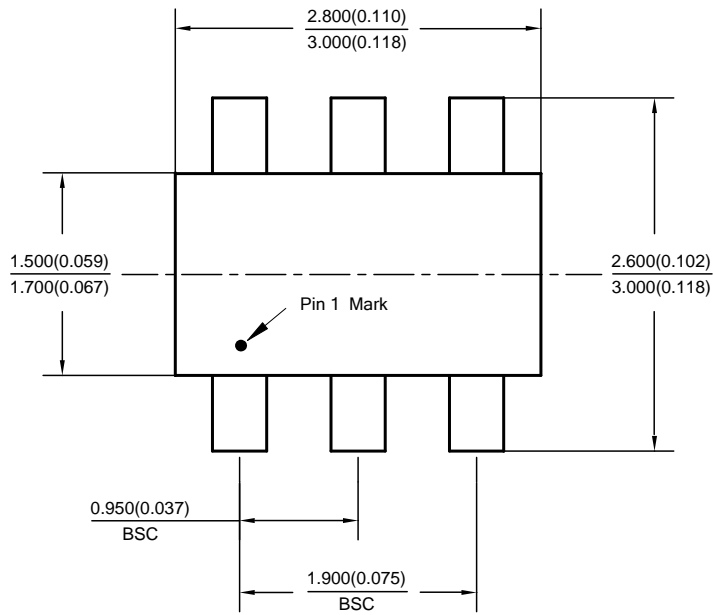


Packaging Information

Mechanical Dimensions

TSOT-23-6 New Product Changed to TSOT26 (2013.10)

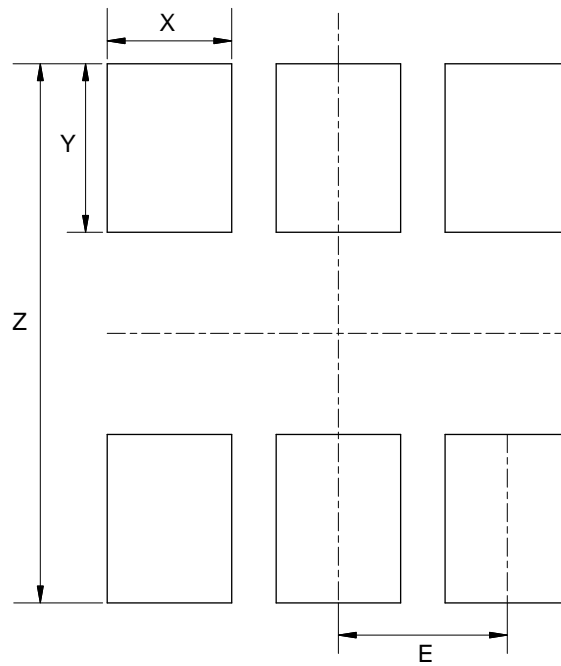
Unit: mm(inch)



Packaging Information

Mounting Pad Layout

TSOT-23-6



Dimensions	E (mm)/(inch)	X (mm)/(inch)	Y (mm)/(inch)	Z (mm)/(inch)
Value	0.950/0.037	0.700/0.028	1.000/0.039	3.199/0.126

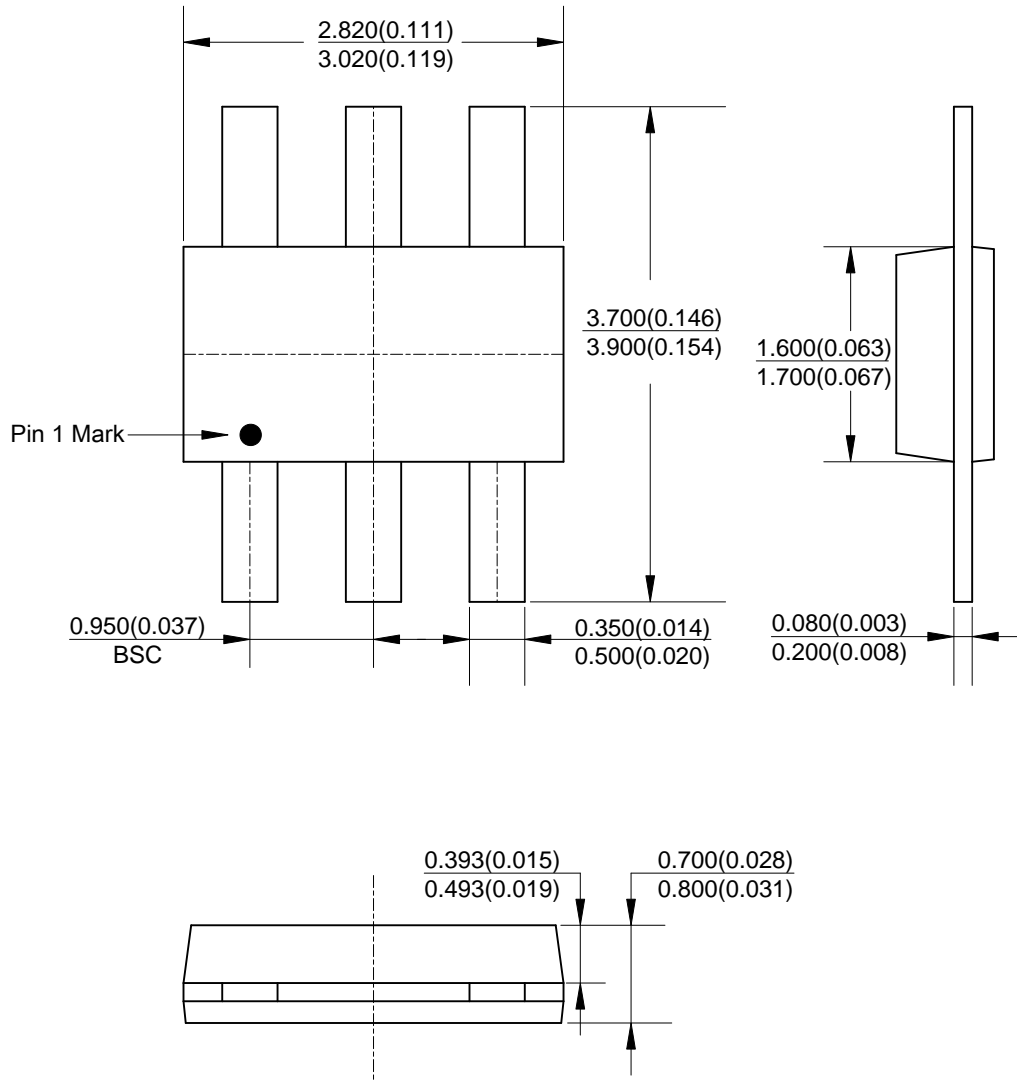


Packaging Information

Mechanical Dimensions

FTSOT-23-6 (Except AH9485/AH9486)

Unit: mm(inch)



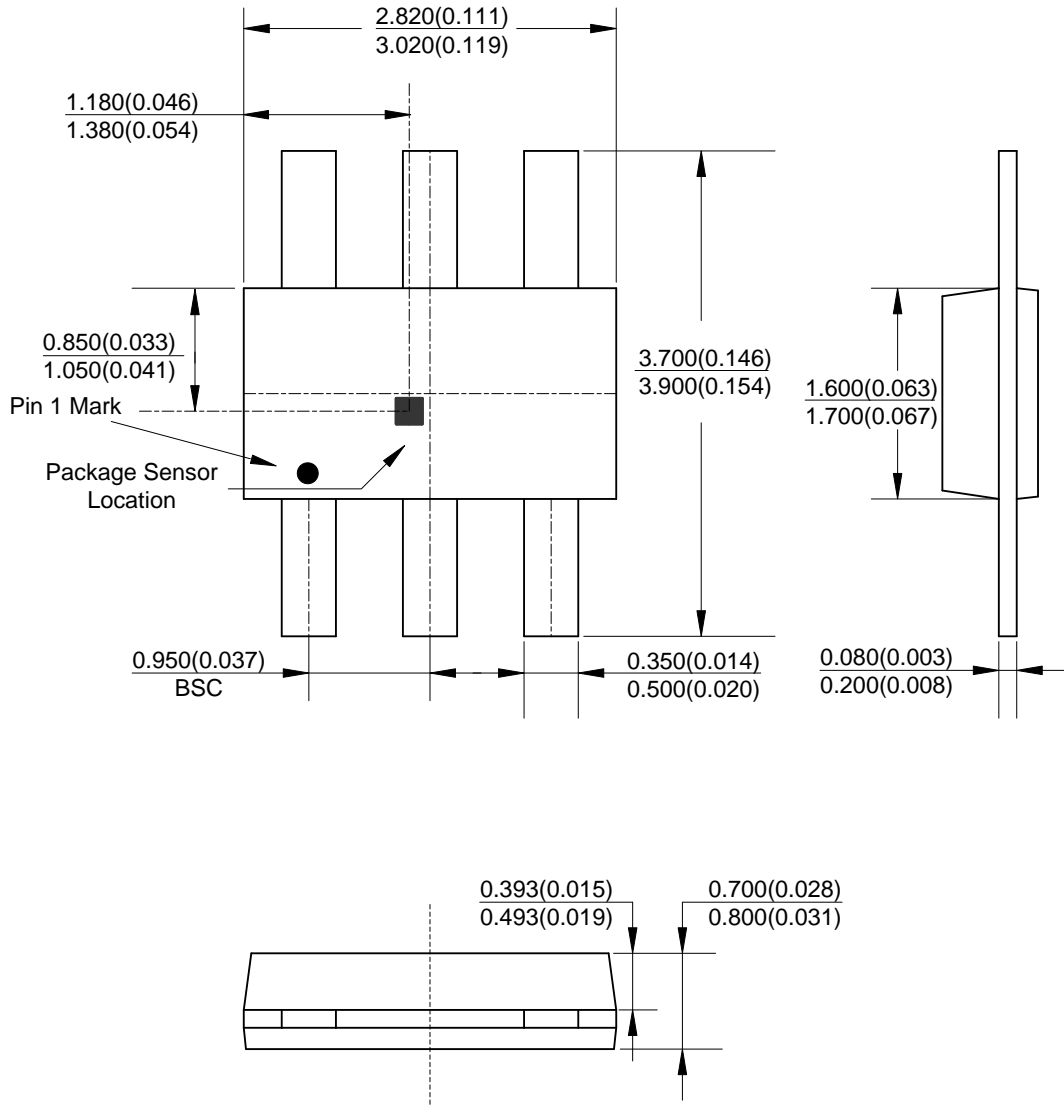


Packaging Information

Mechanical Dimensions

FTSOT-23-6 (Only for AH9485/AH9486)

Unit: mm(inch)





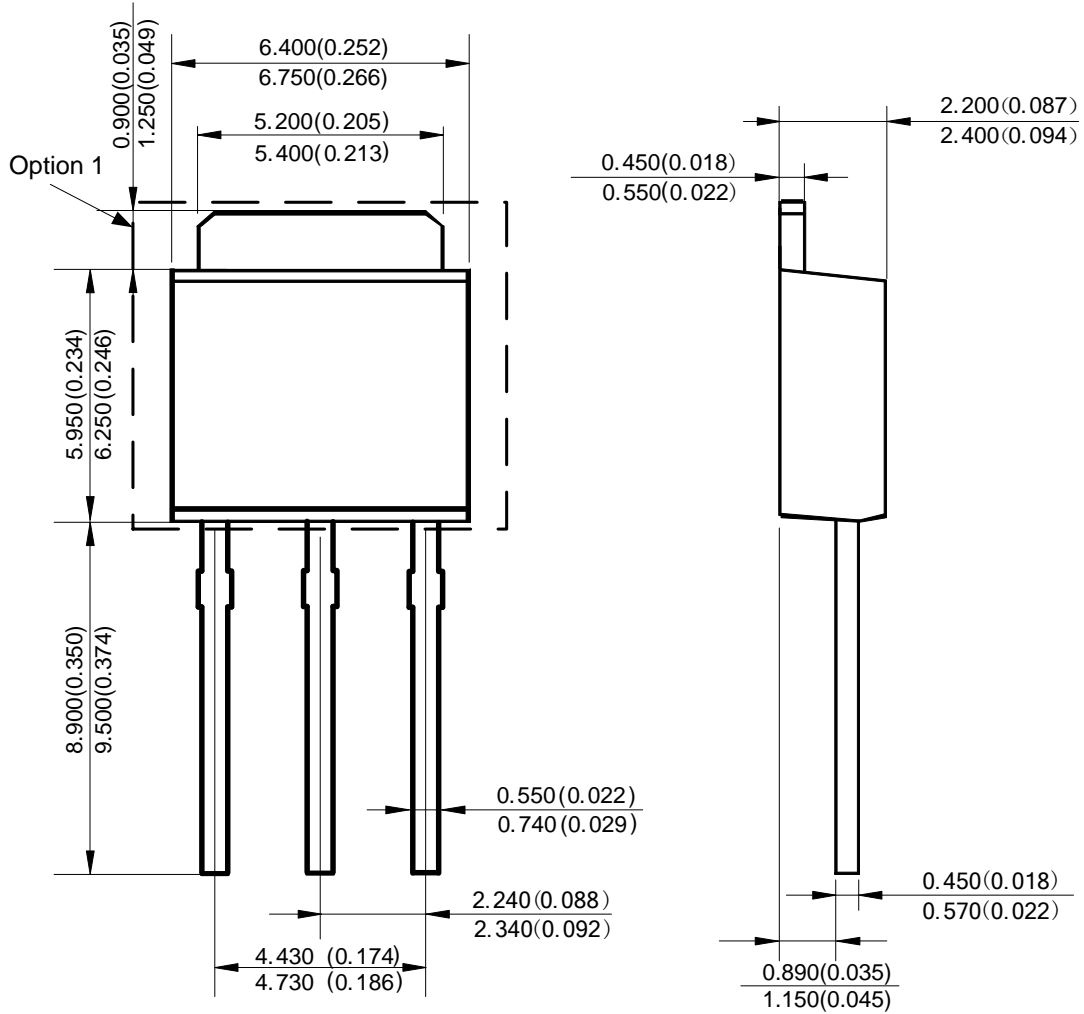
Packaging Information

Mechanical Dimensions

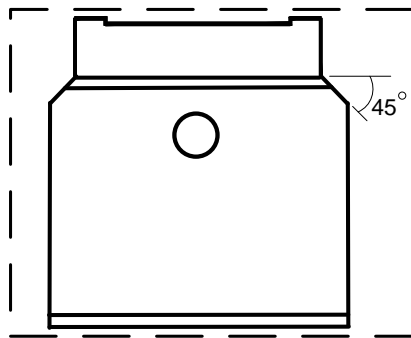
TO-251

Unit: mm(inch)

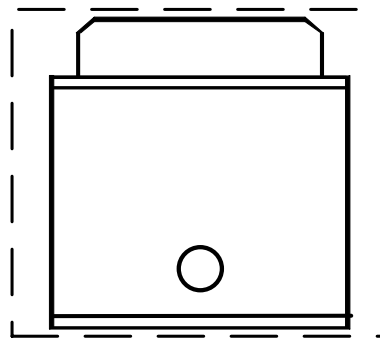
New Product Changed to TO251 (2013.10)



Option 2



Option 3



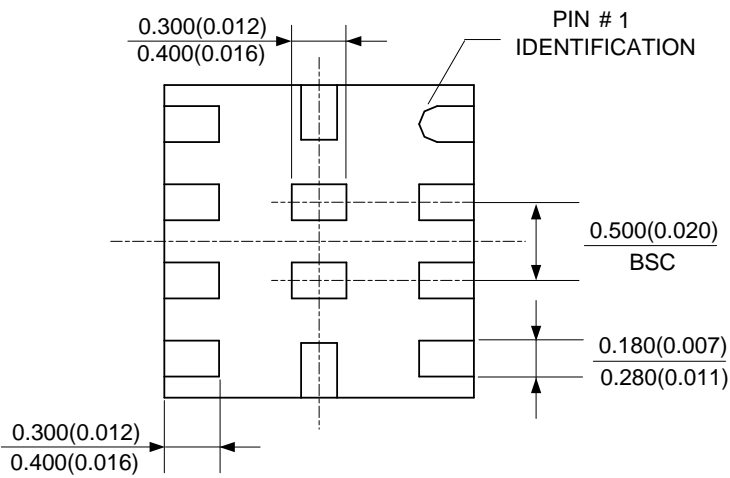
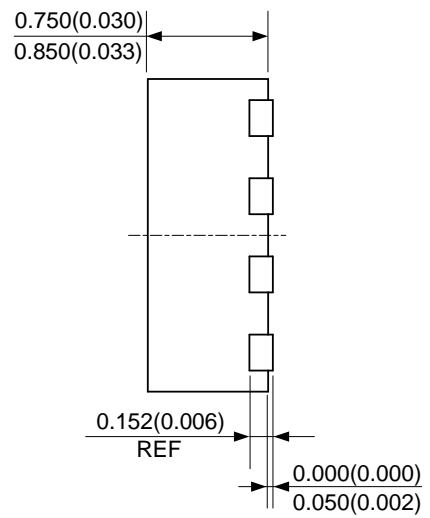
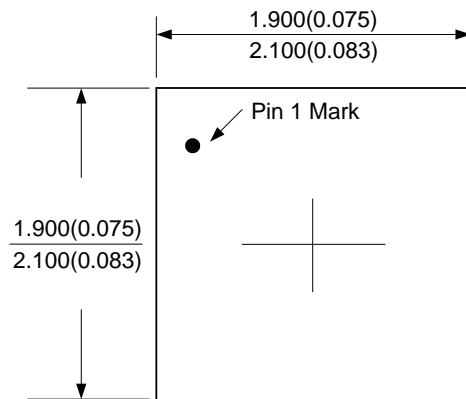


Packaging Information

Mechanical Dimensions

QFN-2x2-12

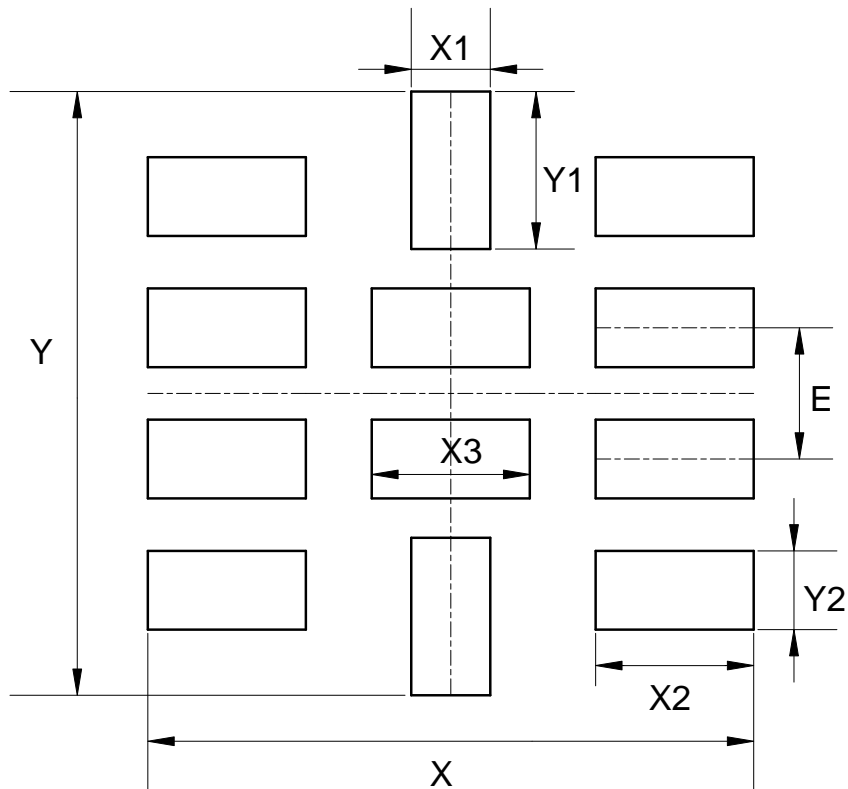
Unit: mm(inch)



Packaging Information

Mounting Pad Layout

QFN-2x2-12



Dimensions	Y=X (mm)/(inch)	X1=Y2 (mm)/(inch)	Y1=X2=X3 (mm)/(inch)	E (mm)/(inch)
Value	2.300/0.091	0.300/0.012	0.600/0.024	0.500/0.020

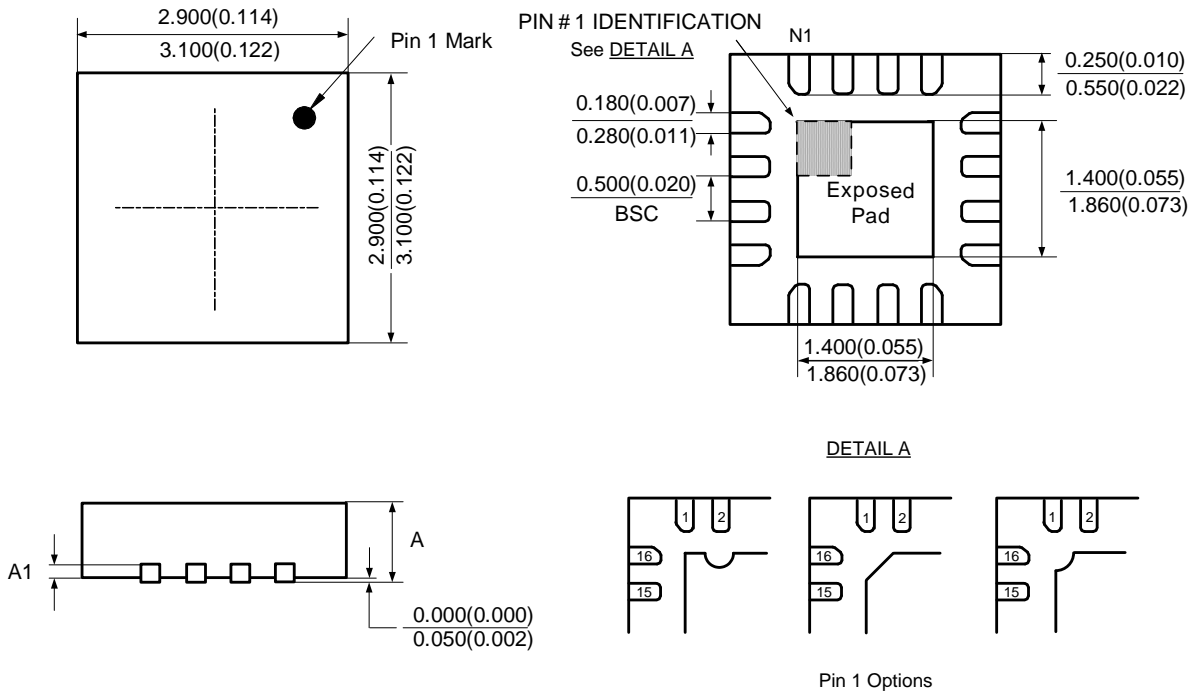


Packaging Information

Mechanical Dimensions

QFN-3x3-16

Unit: mm(inch)

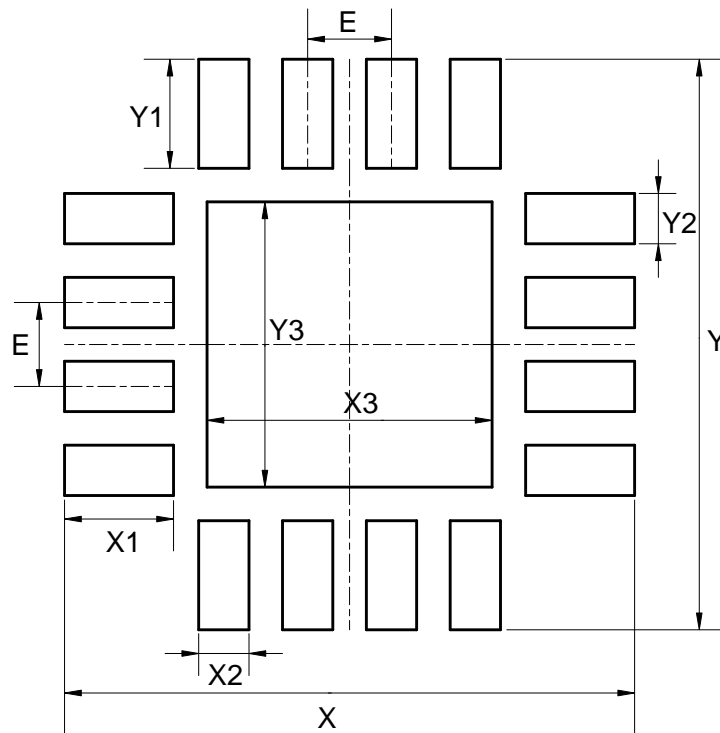


Symbol	A				A1			
	min(mm)	max(mm)	min(inch)	max(inch)	min(mm)	max(mm)	min(inch)	max(inch)
Option1	0.700	0.900	0.028	0.035	0.178	0.228	0.007	0.009
Option2	0.550	0.650	0.022	0.026	0.150 (TYP)	0.006 (TYP)		

Packaging Information

Mounting Pad Layout

QFN-3x3-16



Dimensions	$X=Y$ (mm)/(inch)	$X_1=Y_1$ (mm)/(inch)	$X_2=Y_2$ (mm)/(inch)	$X_3=Y_3$ (mm)/(inch)	E (mm)/(inch)
Value	3.400/0.134	0.650/0.026	0.300/0.012	1.700/0.067	0.500/0.020

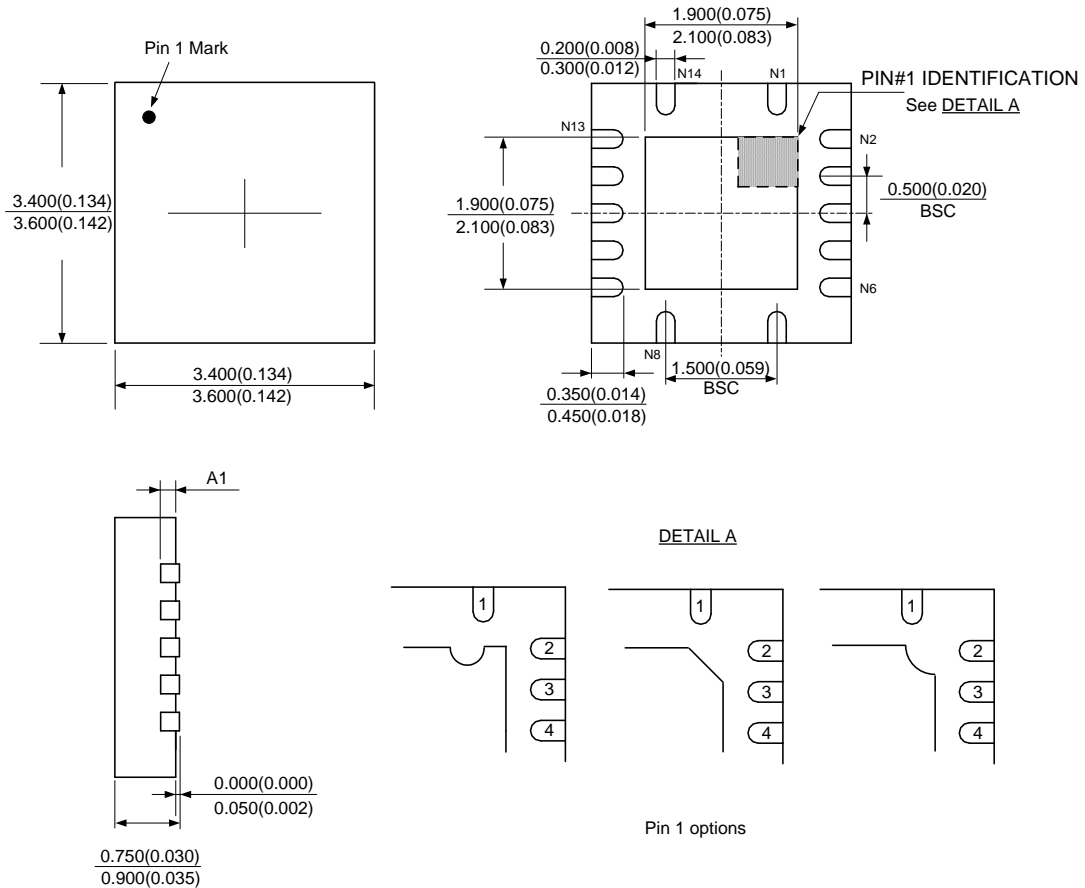


Packaging Information

Mechanical Dimensions

QFN-3.5x3.5-14

Unit: mm(inch)



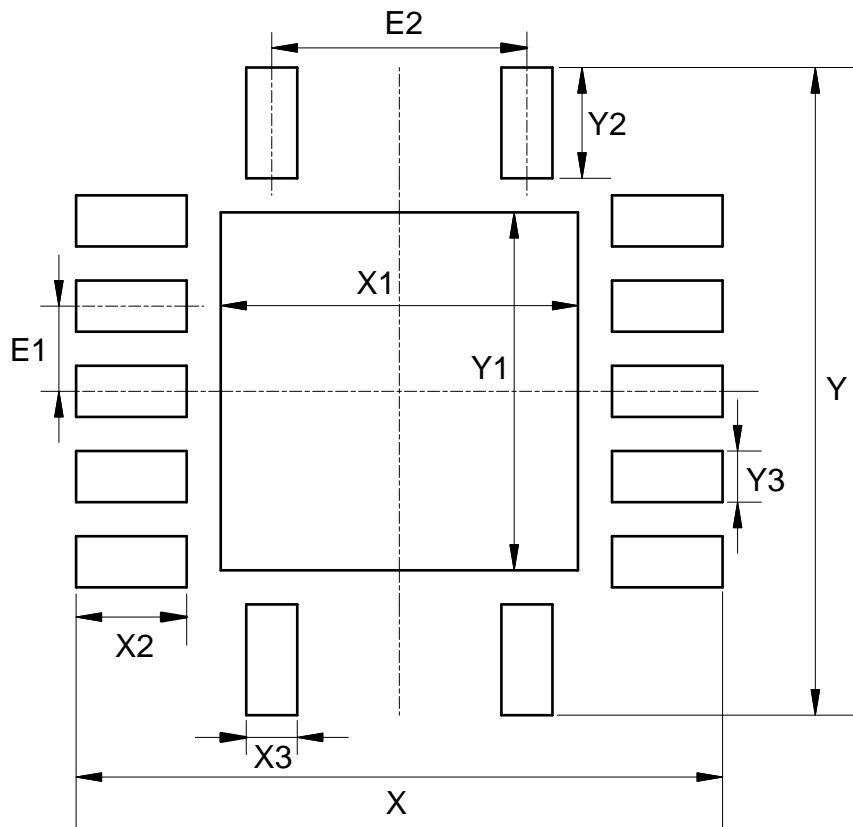
Symbol	A1			
	min(mm)	max(mm)	min(inch)	max(inch)
Option1	0.203(REF)		0.008(REF)	
Option2	0.150(REF)		0.006(REF)	



Packaging Information

Mounting Pad Layout

QFN-3.5x3.5-14



Dimensions	X=Y (mm)/(inch)	X1=Y1 (mm)/(inch)	X2=Y2 (mm)/(inch)	X3=Y3 (mm)/(inch)	E1 (mm)/(inch)	E2 (mm)/(inch)
Value	3.800/0.150	2.100/0.083	0.650/0.026	0.300/0.012	0.500/0.020	1.500/0.059



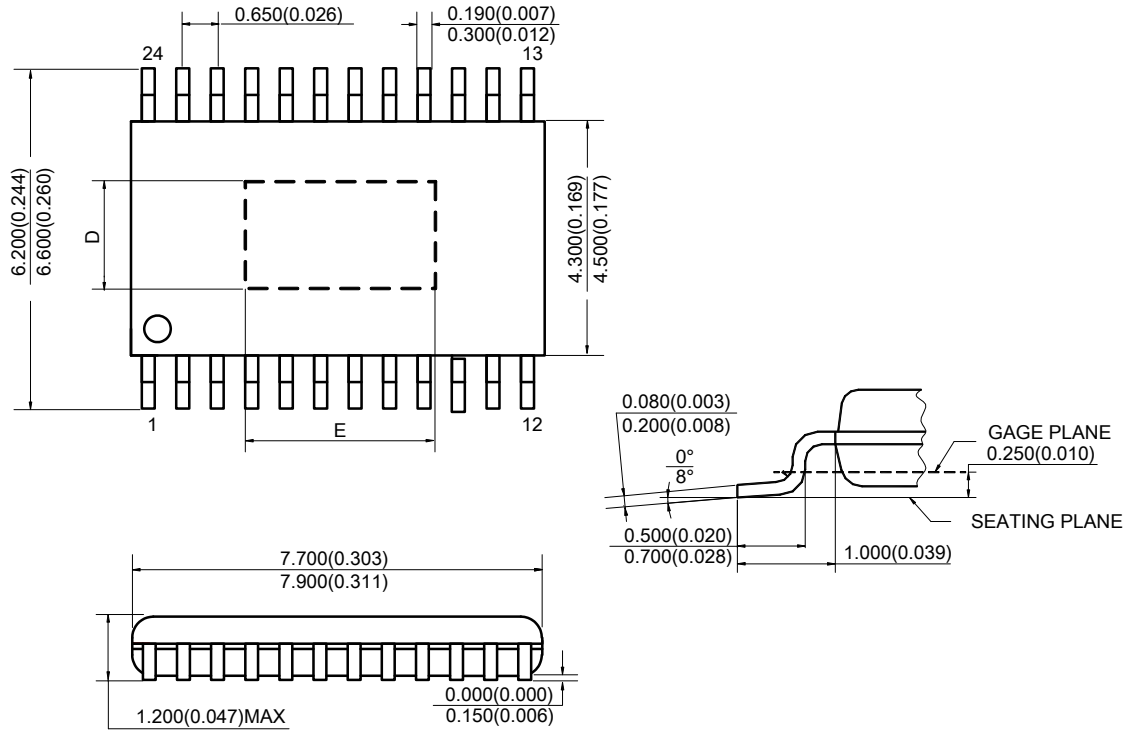
Packaging Information

Mechanical Dimensions

TSSOP-24 (EDP)

Unit: mm(inch)

New Product Changed to TSSOP-24EP (2013.10)



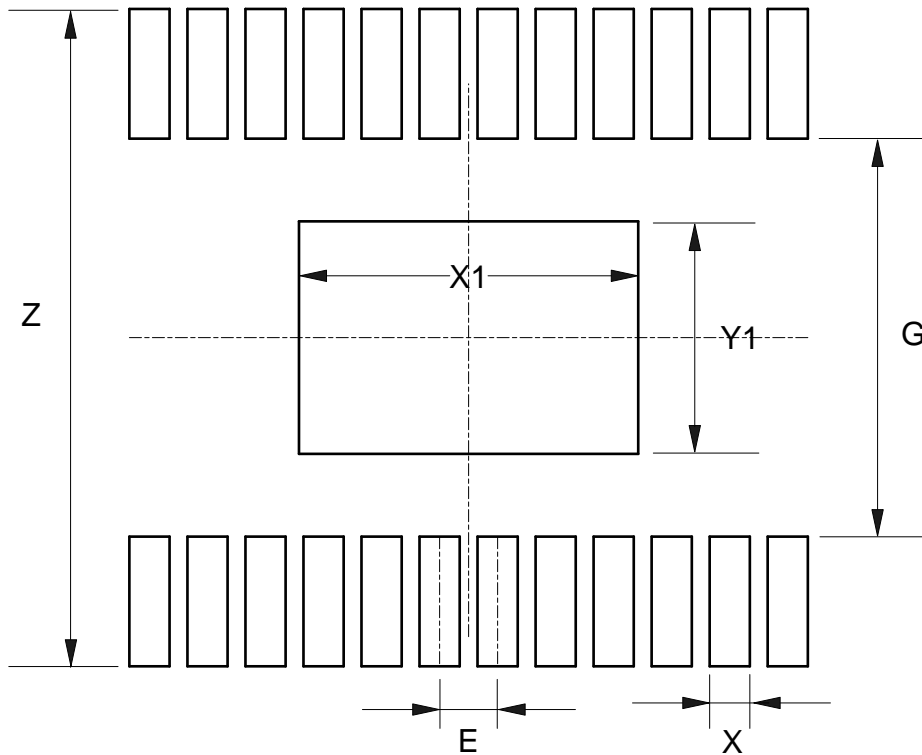
Symbol	D				E			
	min(mm)	max(mm)	min(inch)	max(inch)	min(mm)	max(mm)	min(inch)	max(inch)
Option1	1.500	1.800	0.059	0.071	2.700	3.000	0.106	0.118
Option2	2.700	3.000	0.106	0.118	3.900	4.200	0.154	0.165

Note: Eject hole, oriented hole and mold mark is optional.

Packaging Information

Mounting Pad Layout

TSSOP-24 (EDP)



Dimensions	Z (mm)/(inch)	G (mm)/(inch)	X (mm)/(inch)	E (mm)/(inch)	X1 (mm)/(inch)	Y1 (mm)/(inch)
Option1	7.350/0.289	4.450/0.175	0.450/0.018	0.650/0.026	3.200/0.126	2.000/0.079
Option2	7.350/0.289	4.450/0.175	0.450/0.018	0.650/0.026	4.400/0.173	3.200/0.126

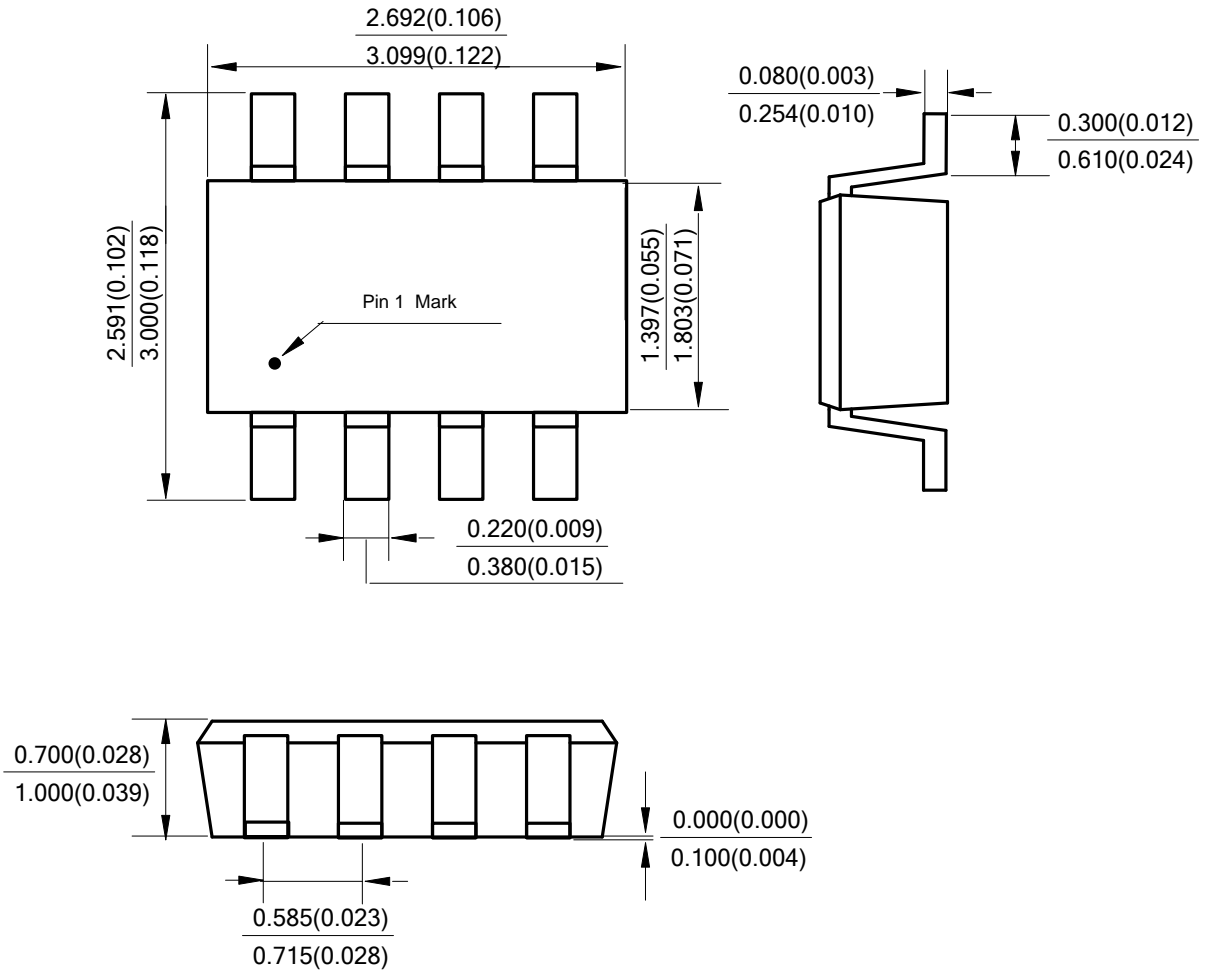


Packaging Information

Mechanical Dimensions

TSOT-23-8

Unit: mm(inch)



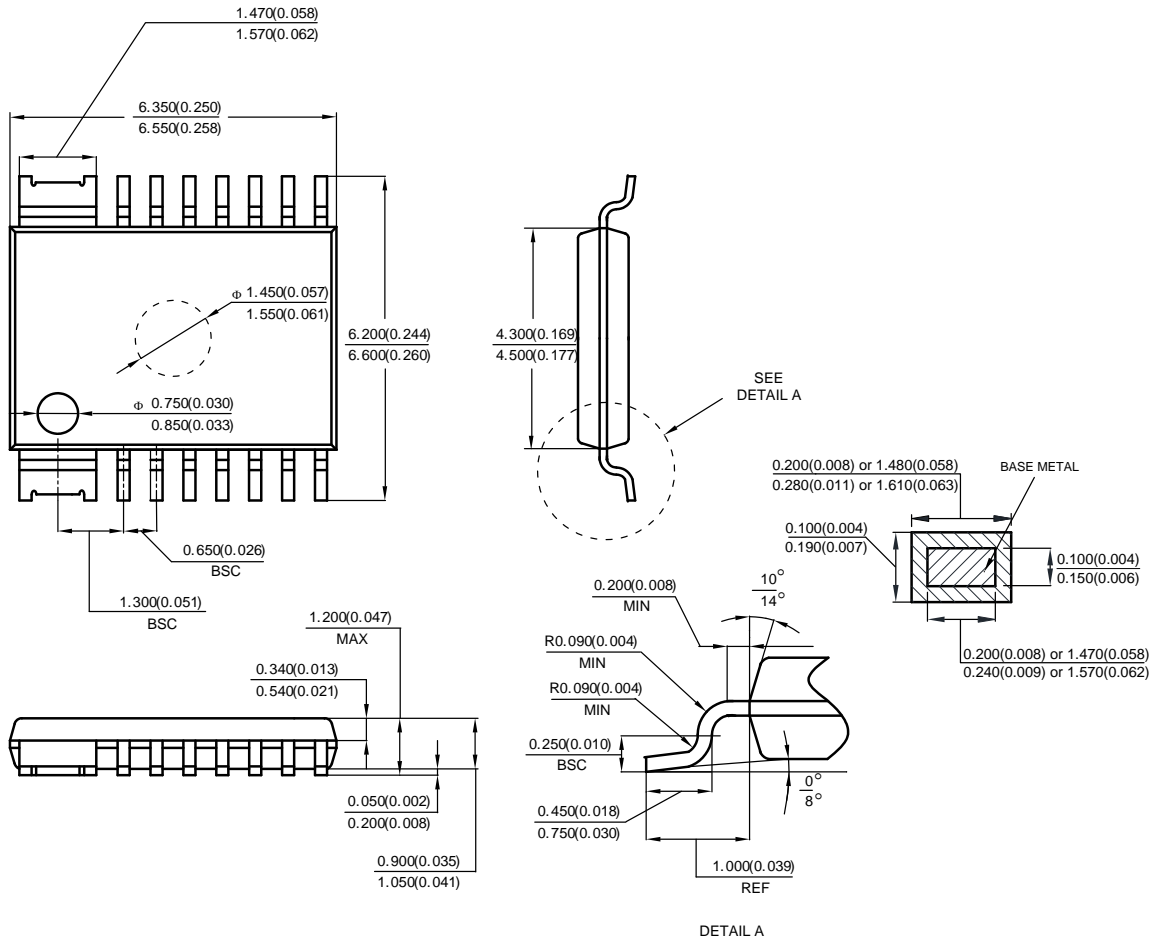


Packaging Information

Mechanical Dimensions

HTSSOP-14

Unit: mm(inch)

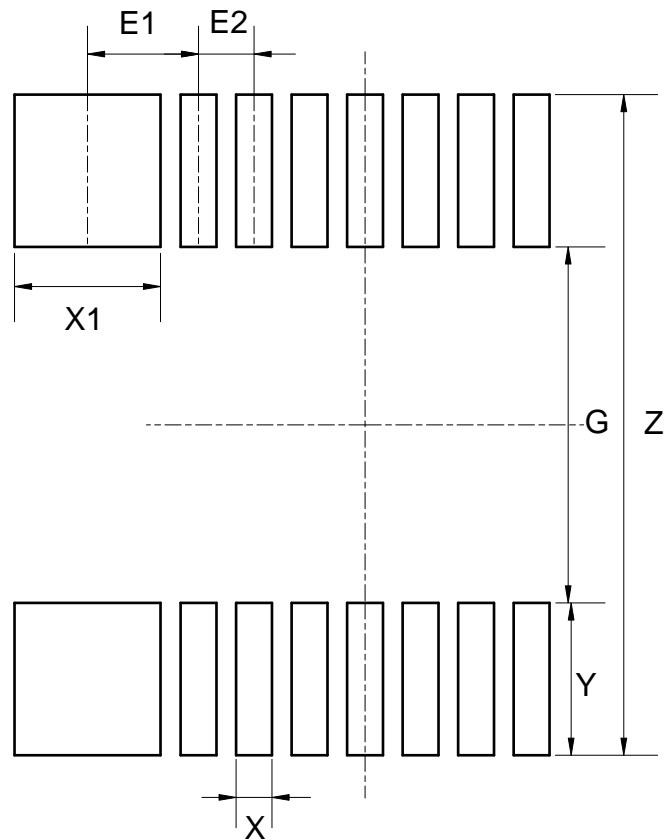


Note: Eject hole, oriented hole and mold mark is optional.

Packaging Information

Mounting Pad Layout

HTSSOP-14



Dimensions	Z (mm)/(inch)	G (mm)/(inch)	X (mm)/(inch)	X1 (mm)/(inch)
Value	7.720/0.304	4.160/0.164	0.420/0.017	1.710/0.067
Dimensions	Y (mm)/(inch)	E1 (mm)/(inch)	E2 (mm)/(inch)	
Value	1.780/0.070	1.300/0.051	0.650/0.026	



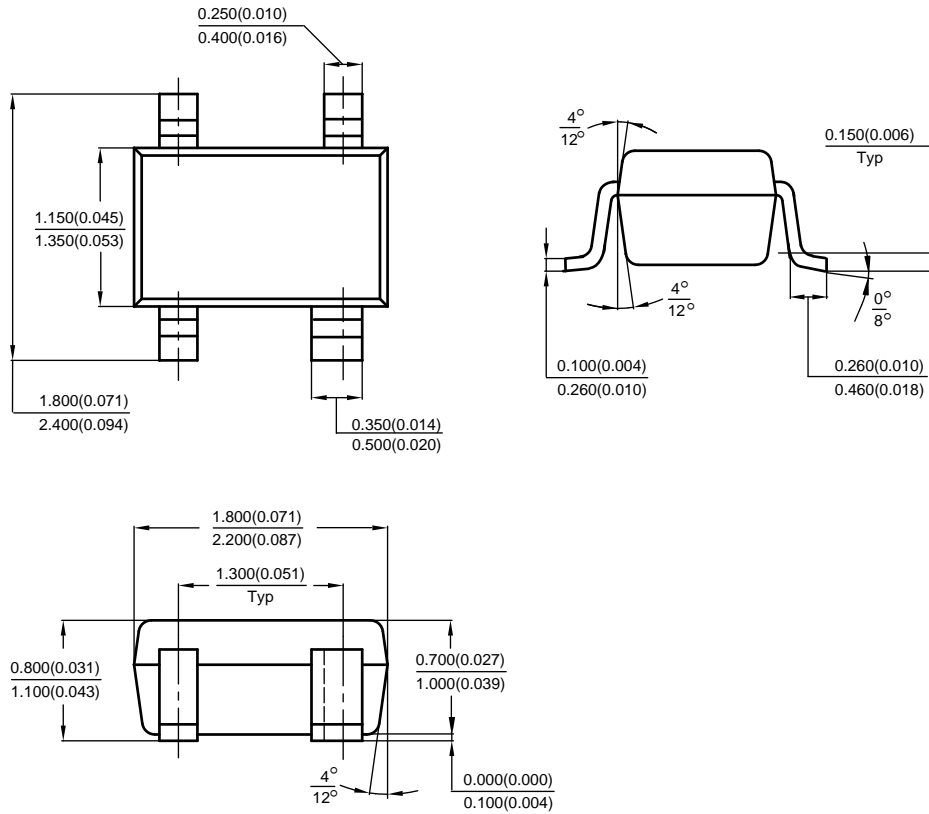
Packaging Information

Mechanical Dimensions

SC-82

Unit: mm(inch)

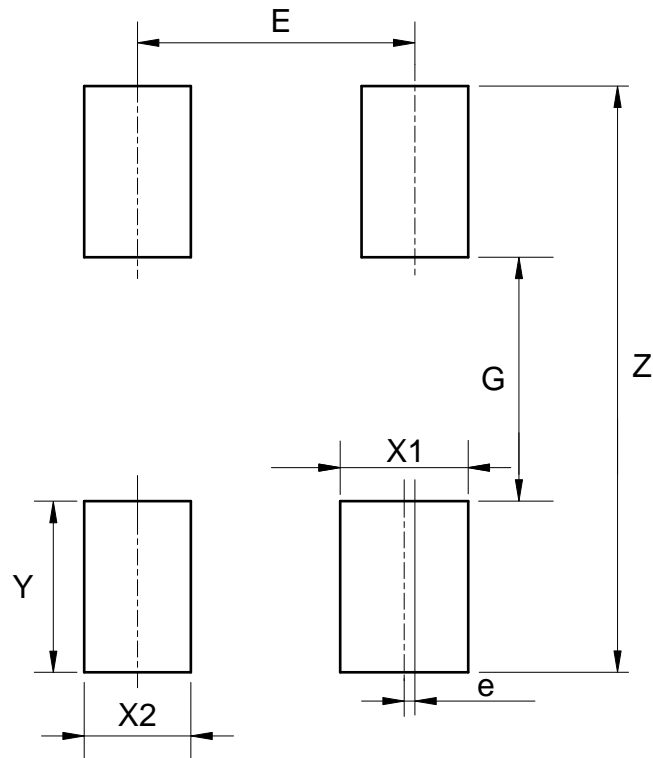
New Product Changed to SC82 (2013.10)



Packaging Information

Mounting Pad Layout

SC-82



Dimensions	Z (mm)/(inch)	G (mm)/(inch)	X1 (mm)/(inch)	X2 (mm)/(inch)
Value	2.740/0.108	1.140/0.045	0.600/0.024	0.500/0.020
Dimensions	Y (mm)/(inch)	E (mm)/(inch)	e (mm)/(inch)	---
Value	0.800/0.031	1.300/0.051	0.050/0.002	---

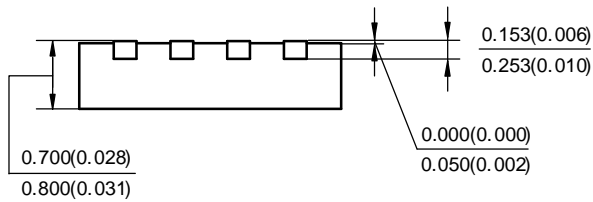
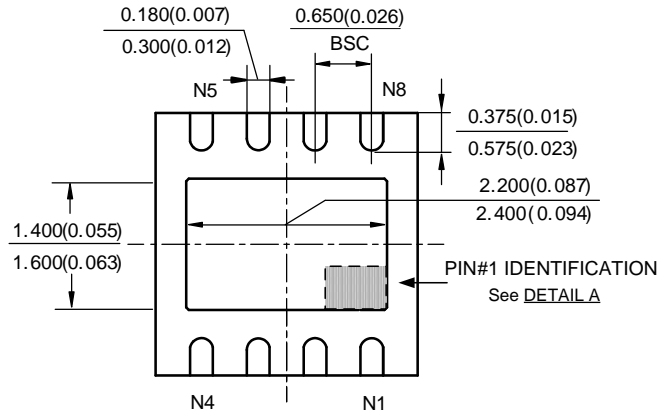
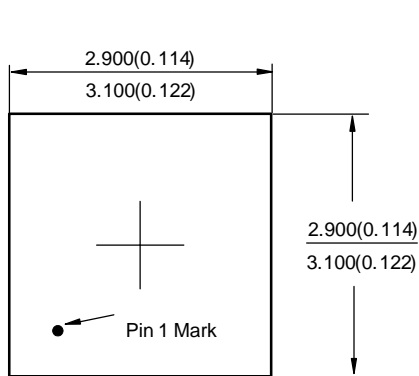


Packaging Information

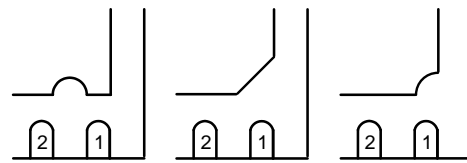
Mechanical Dimensions

DFN-3x3-8

Unit: mm(inch)



DETAIL A

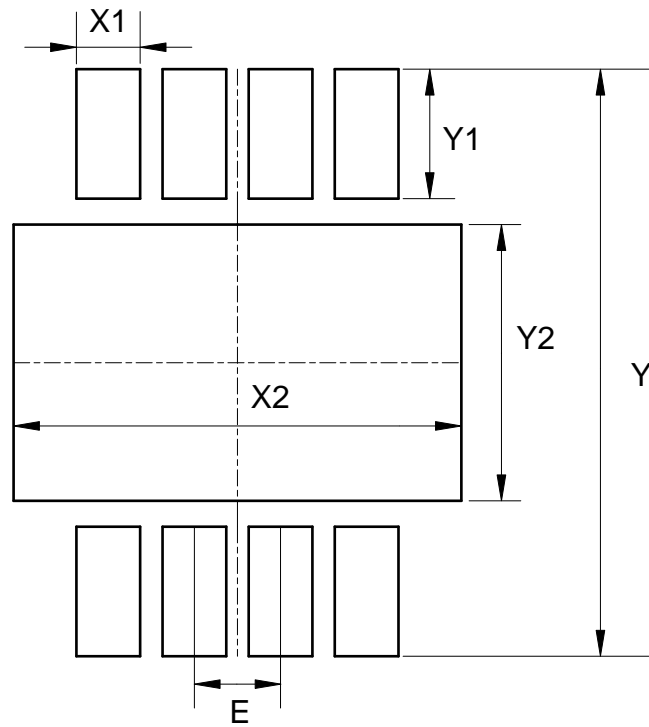


Pin 1 options

Packaging Information

Mounting Pad Layout

DFN-3x3-8



Dimensions	Y (mm)/(inch)	X1 (mm)/(inch)	Y1 (mm)/(inch)	X2 (mm)/(inch)	Y2 (mm)/(inch)	E (mm)/(inch)
Value	3.400/0.134	0.370/0.015	0.750/0.030	2.600/0.102	1.600/0.063	0.500/0.020

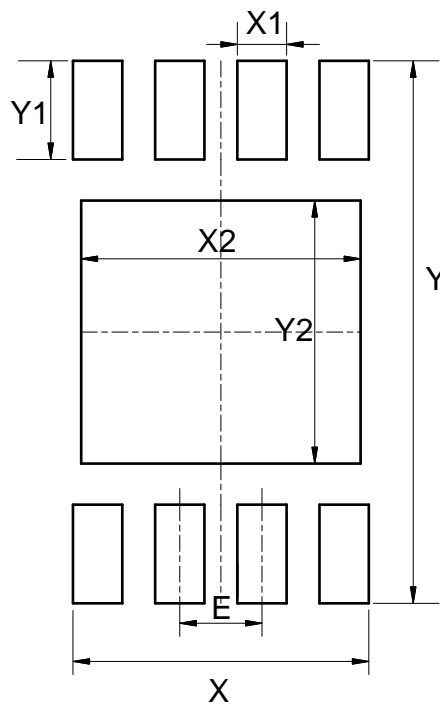


Packaging Information

Mounting Pad Layout

DFN-2x3-8

Unit: mm(inch)



Dimensions	X (mm)/(inch)	Y (mm)/(inch)	X1 (mm)/(inch)	Y1 (mm)/(inch)
Value	1.800/0.071	3.300/0.130	0.300/0.012	0.600/0.024
Dimensions	X2 (mm)/(inch)	Y2 (mm)/(inch)	E (mm)/(inch)	
Value	1.700/0.067	1.600/0.063	0.500/0.020	

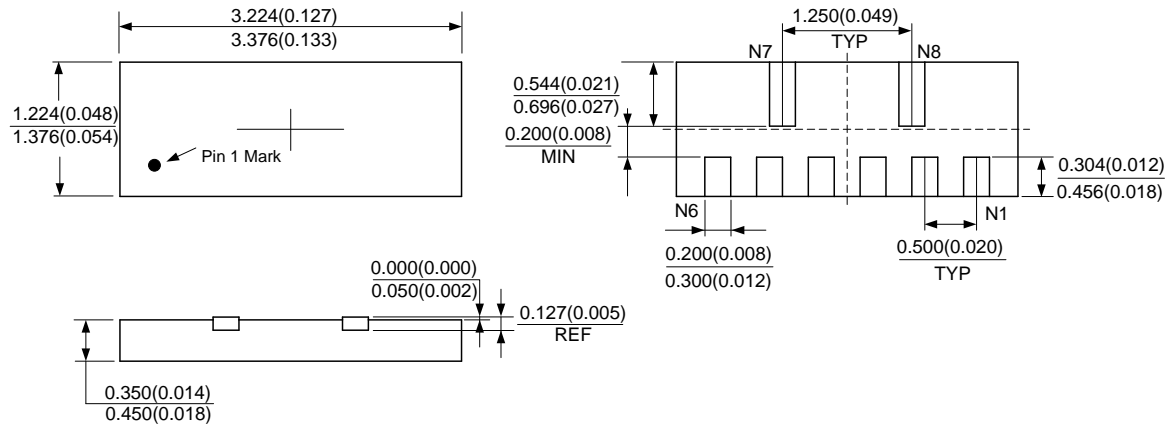


Packaging Information

Mechanical Dimensions

DFN-3.3x1.3-8 (Except ITVS)

Unit: mm(inch)



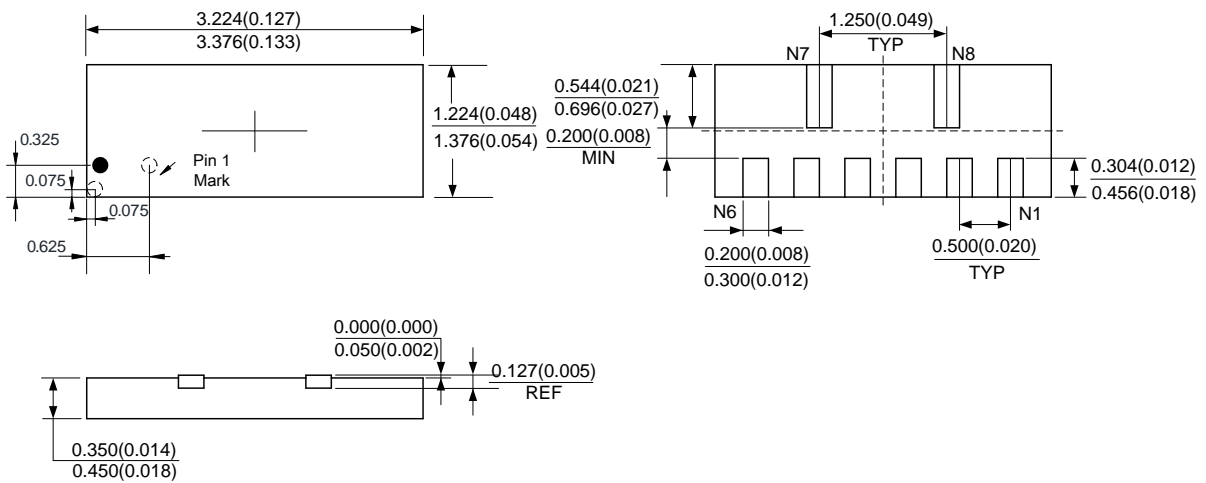


Packaging Information

Mechanical Dimensions

DFN-3.3x1.3-8 (Only for ITVS)

Unit: $\frac{\text{mm}(\text{inch})}{\text{MIN}}$
 $\frac{\text{mm}(\text{inch})}{\text{MAX}}$



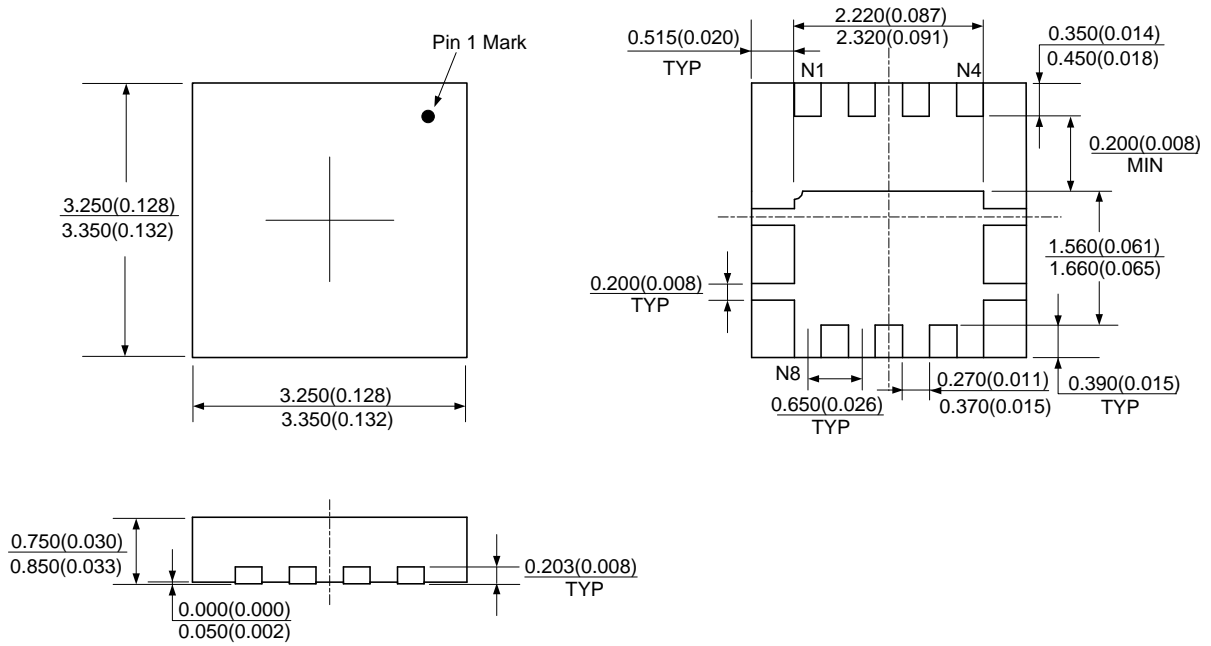
Note: Pin 1 Dot \varnothing 0.15mm
Pin 1 Dot area 0.4mm * 0.7mm



Packaging Information

Mechanical Dimensions

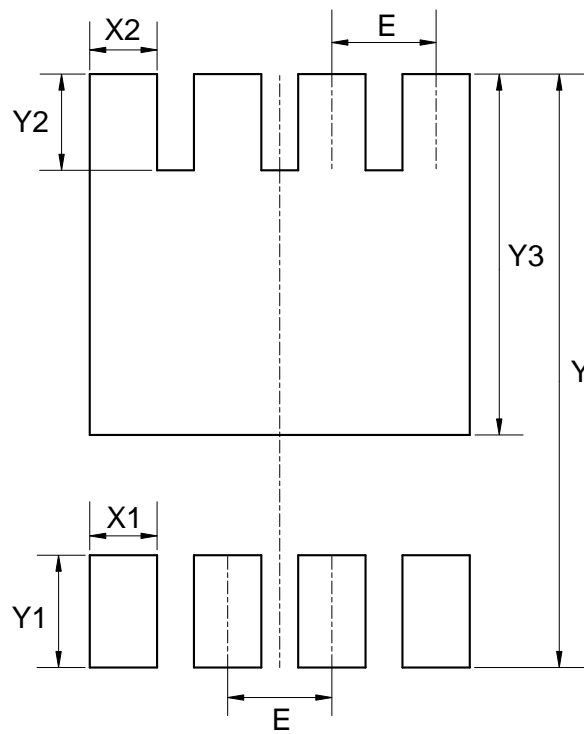
DFN-3.3×3.3-8 **Unit: mm(inch)**
New Product Changed to POWERDI3333-8 (2013.10)



Packaging Information

Mounting Pad Layout

DFN-3.3×3.3-8



Dimensions	Y (mm)/(inch)	X1=X2 (mm)/(inch)	Y1 (mm)/(inch)	Y2 (mm)/(inch)	Y3 (mm)/(inch)	E (mm)/(inch)
Value	3.700/0.146	0.420/0.017	0.700/0.028	0.600/0.024	2.250/0.089	0.650/0.026

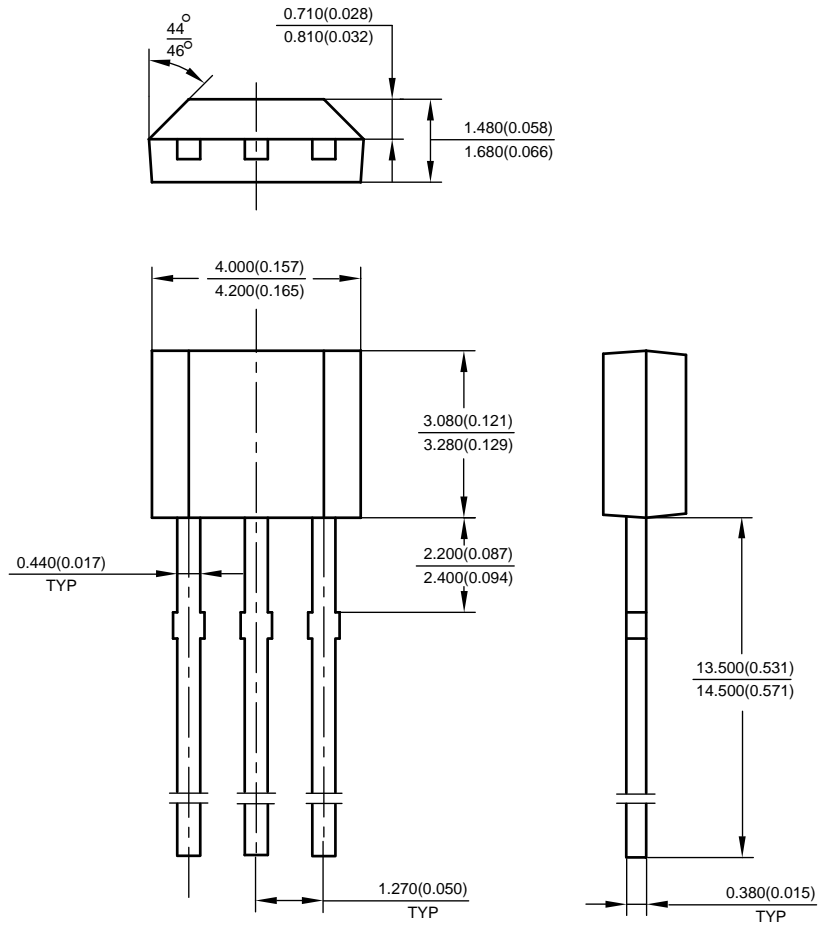


Packaging Information

Mechanical Dimensions

TO-92S
New Product Changed to SIP-3 (2013.10)

Unit: mm(inch)

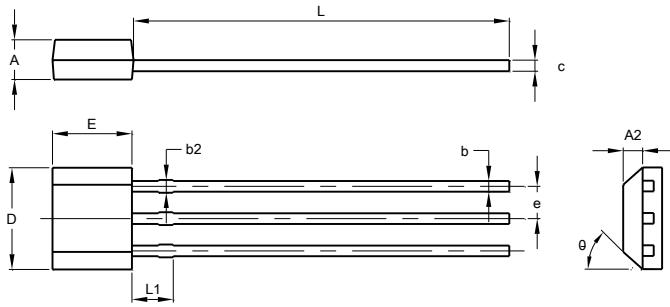




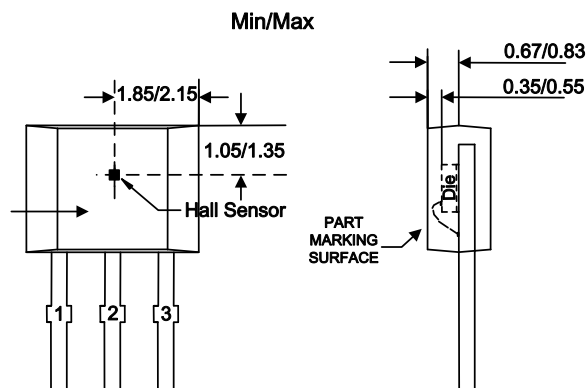
Packaging Information

Mechanical Dimensions

TO92S (TYPE B) (Only for AH9247)



TO92S (TYPE B)			
Dim	Min	Max	Typ
A	1.420	1.620	-
A2	-	-	0.750
b	0.360	0.480	-
b2	0.380	0.550	-
c	0.360	0.510	-
D	3.850	4.150	-
E	2.900	3.310	-
e	-	-	1.270
L	14.000	15.500	-
L1	-	-	1.600
θ	44°	46°	-
All Dimensions in mm			



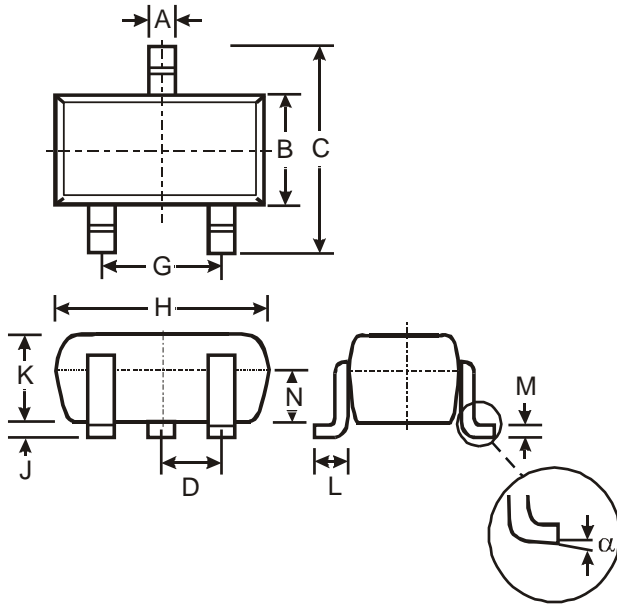
Sensor Location



Packaging Information

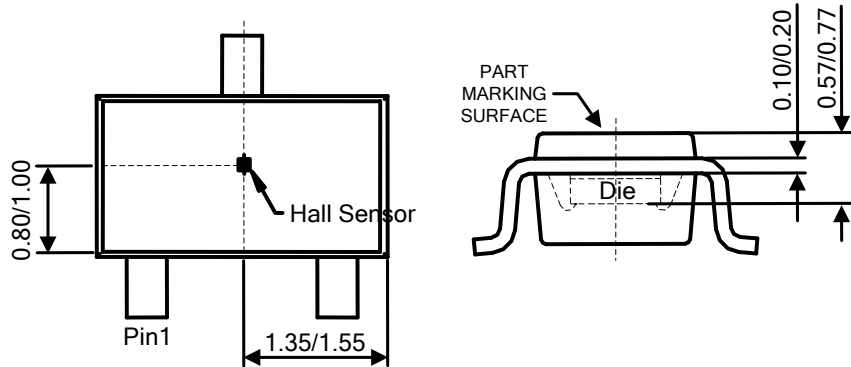
Mechanical Dimensions

SC59 (Only for AH9247)



SC59			
Dim	Min	Max	Typ
A	0.35	0.50	0.38
B	1.50	1.70	1.60
c	2.70	3.00	2.80
D	-	-	0.95
G	-	-	1.90
H	2.90	3.10	3.00
J	0.013	0.10	0.05
K	1.00	1.30	1.10
L	0.35	0.55	0.40
M	0.10	0.20	0.15
N	0.70	0.80	0.75
α	0°	8°	-
All Dimensions in mm			

Min/Max



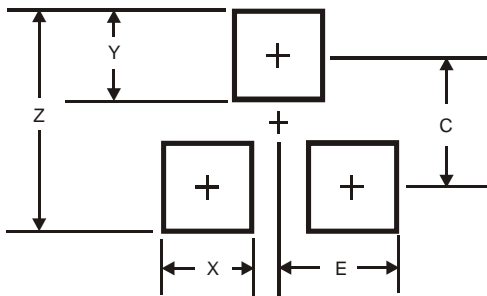
Sensor Location



Packaging Information

Mounting Pad Layout

SC59 (Only for AH9247)



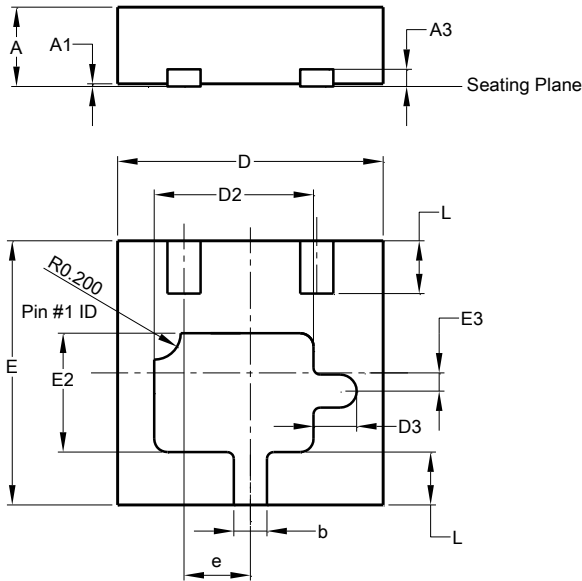
Dimensions	Value (in mm)
Z	3.4
X	0.8
Y	1.0
C	2.4
E	1.35



Packaging Information

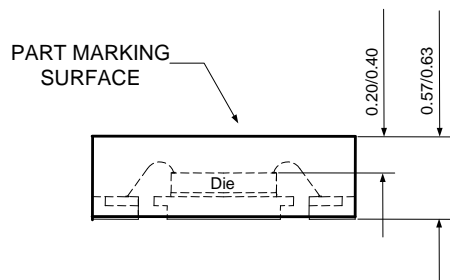
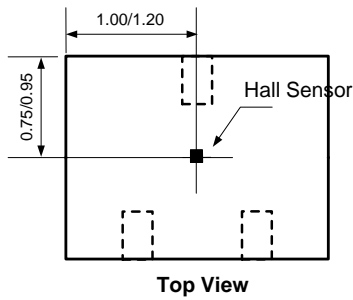
Mechanical Dimensions

U-DFN2020-3 (Only for AH9247)



U-DFN2020-3			
Dim	Min	Max	Typ
A	0.57	0.63	0.60
A1	0	0.05	0.02
A3	-	-	0.152
b	0.20	0.30	0.25
D	1.950	2.075	2.00
D2	1.10	1.30	1.20
D3	0.325 REF		
e	-	-	0.50
E	1.950	2.075	2.00
E2	0.80	1.00	0.90
E3	0.138 REF		
L	0.35	0.45	0.40
All Dimensions in mm			

Min/Max

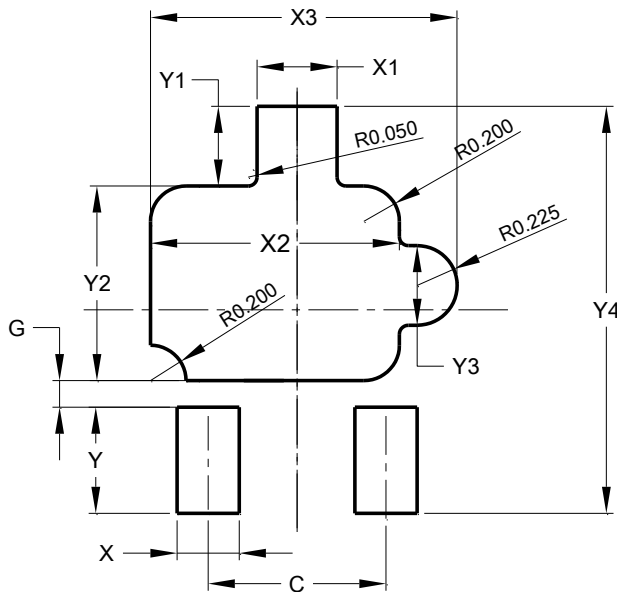


Sensor Location

Packaging Information

Mounting Pad Layout

U-DFN2020-3 (Only for AH9247)



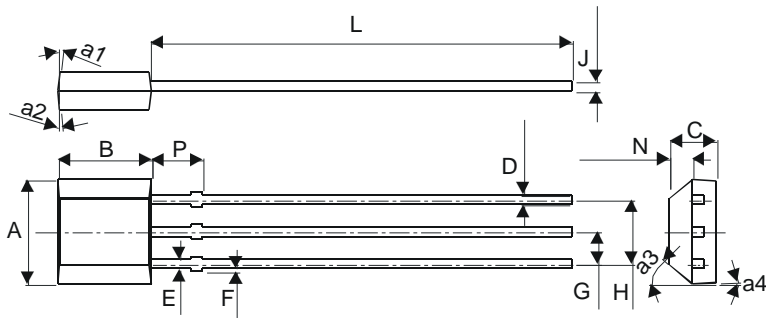
Dimensions	Value (in mm)
C	1.000
G	0.150
X	0.350
X1	0.450
X2	1.400
X3	1.724
Y	0.600
Y1	0.450
Y2	1.100
Y3	0.450
Y4	2.300



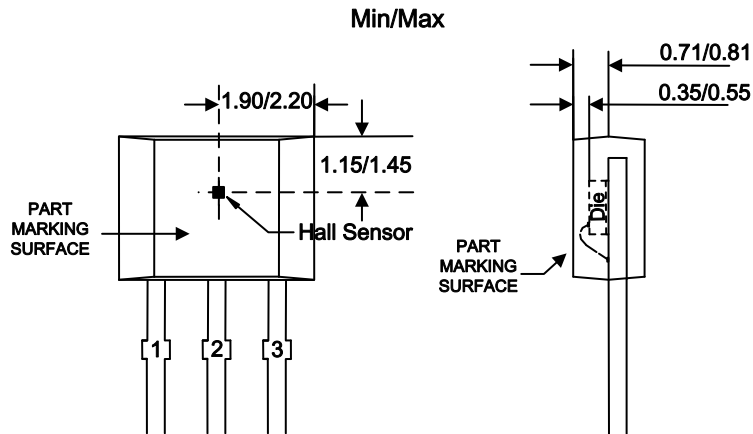
Packaging Information

Mechanical Dimensions

TO-92S(Only for AH49F)



TO-92S		
Dim	Min	Max
A	4.0	4.2
a1	3° Typ	
a2	6° Typ	
a3	45° Typ	
a4	3° Typ	
B	3.08	3.28
C	1.48	1.68
D	0.36	0.56
E	0.44 Typ	
F	-0.05	0.20
G	1.27 Typ	
H	2.54 Typ	
J	0.38 Typ	
L	13.5	14.5
N	0.71	0.81
P	2.60	3.00
All Dimensions in mm		

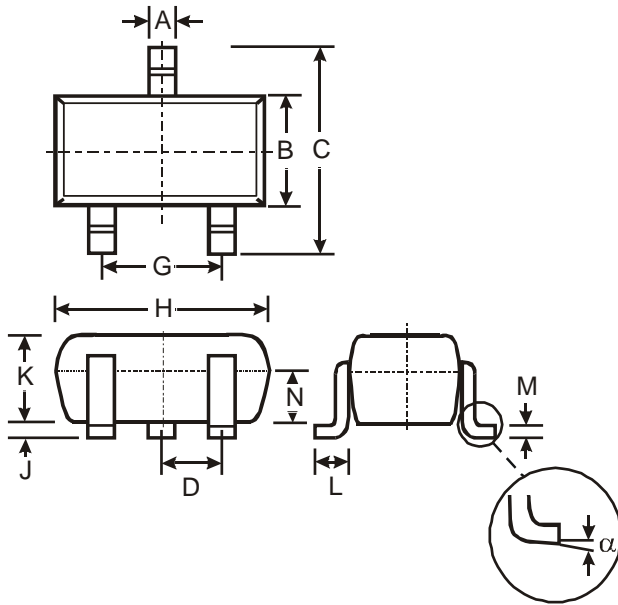


Sensor Location

Packaging Information

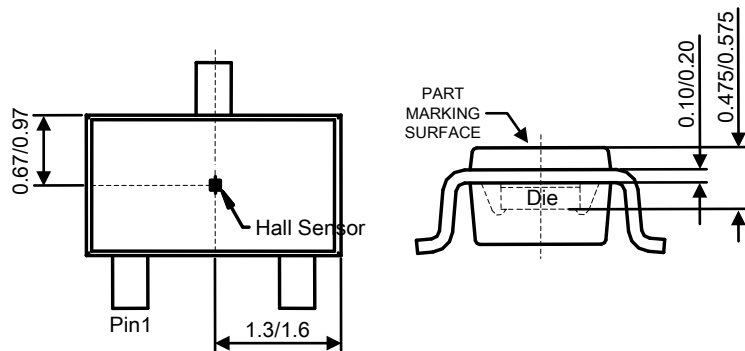
Mechanical Dimensions

SC59(Only for AH49F)



SC59			
Dim	Min	Max	Typ
A	0.35	0.50	0.38
B	1.50	1.70	1.60
C	2.70	3.00	2.80
D	-	-	0.95
G	-	-	1.90
H	2.90	3.10	3.00
J	0.013	0.10	0.05
K	1.00	1.30	1.10
L	0.35	0.55	0.40
M	0.10	0.20	0.15
N	0.70	0.80	0.75
α	0°	8°	-
All Dimensions in mm			

Min/Max



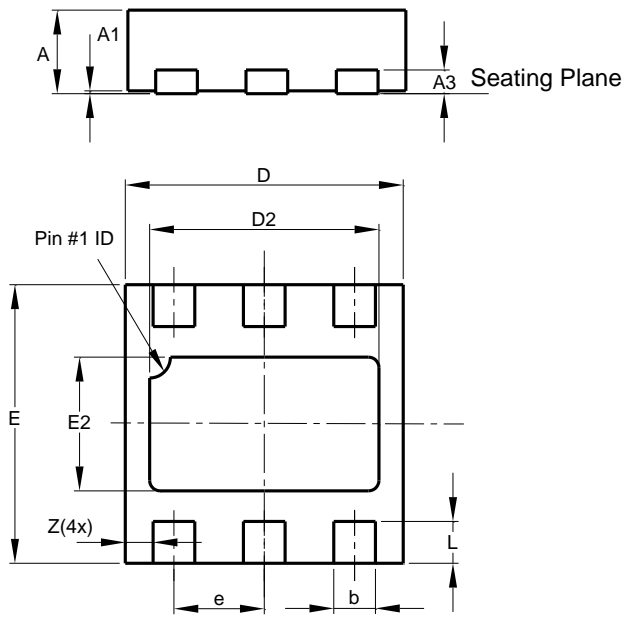
Sensor Location



Packaging Information

Mechanical Dimensions

U-DFN2020-6 (Only for AH49F)

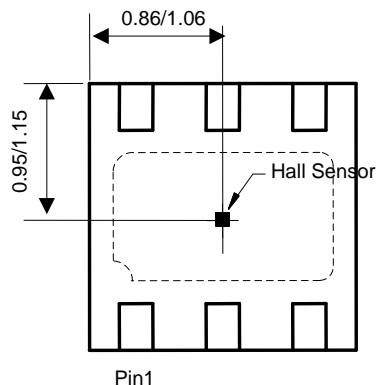


Bottom View

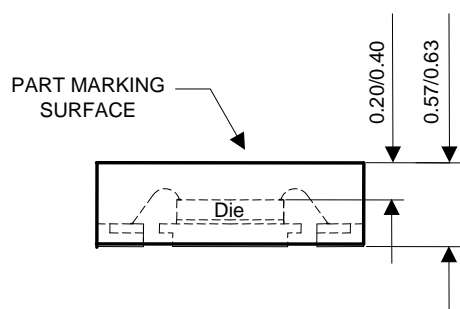
U-DFN2020-6 Type C			
Dim	Min	Max	Typ
A	0.57	0.63	0.60
A1	0.00	0.05	0.02
A3	—	—	0.15
b	0.25	0.35	0.30
D	1.95	2.075	2.00
D2	1.55	1.75	1.65
E	1.95	2.075	2.00
E2	0.86	1.06	0.96
e	—	—	0.65
L	0.25	0.35	0.30
Z	—	—	0.20

All Dimensions in mm

Min/Max



Top View



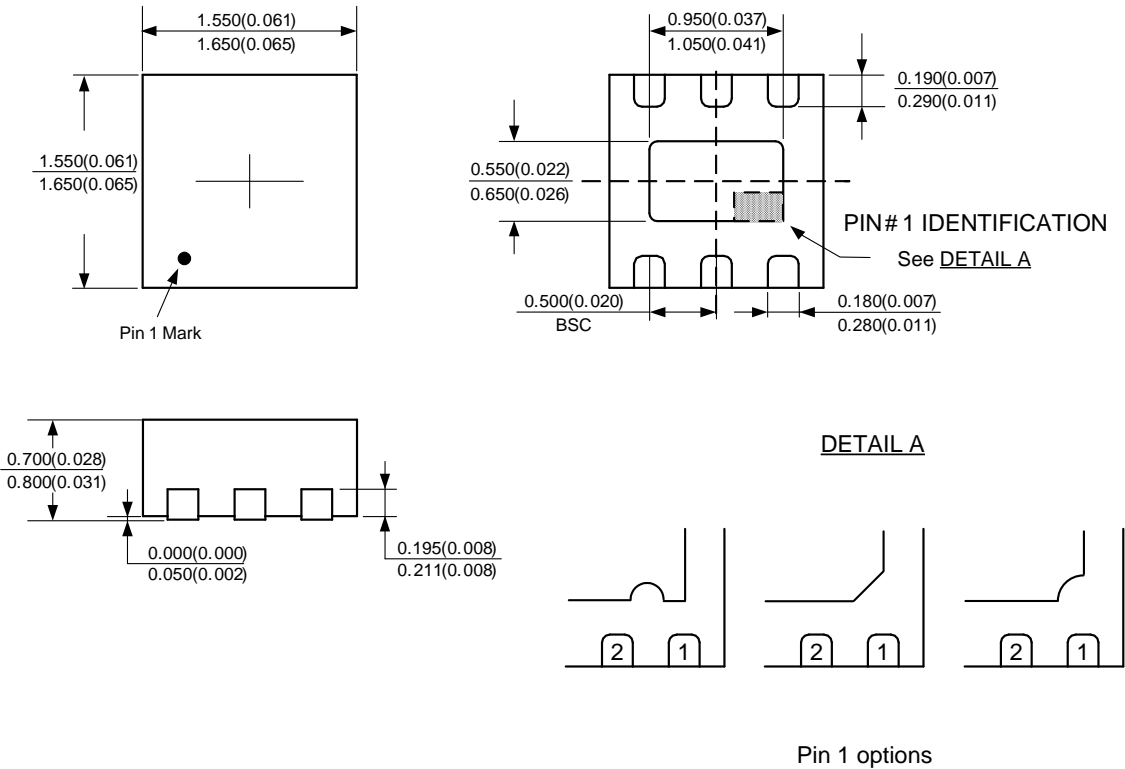
Sensor Location



Packaging Information

Mechanical Dimensions

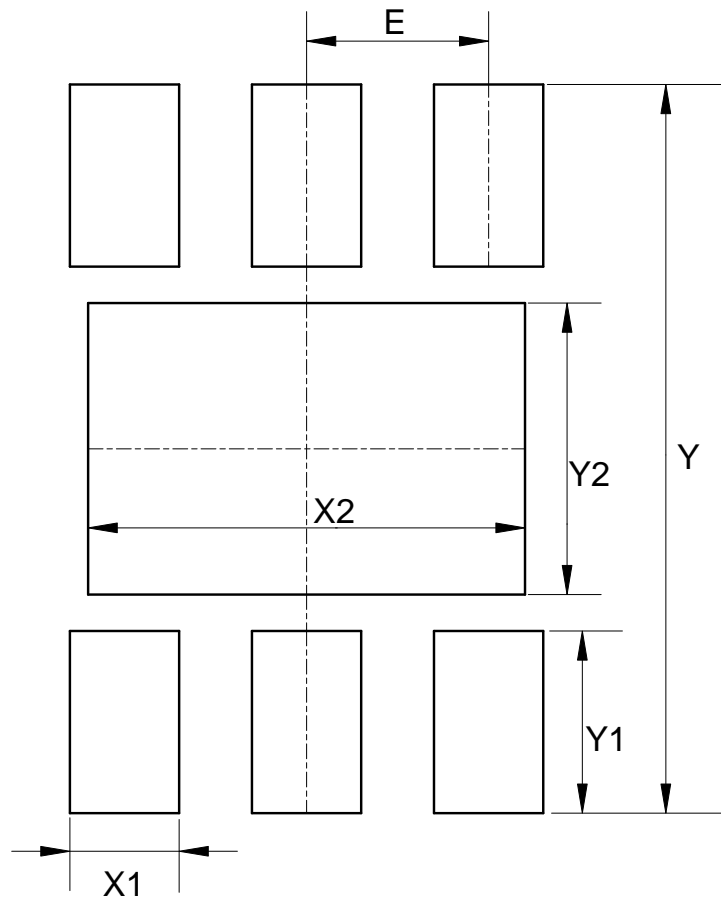
DFN-1.6x1.6-6 **Unit: mm(inch)**
New Product Changed to U-DFN1616-6 (2013.10)



Packaging Information

Mounting Pad Layout

DFN-1.6×1.6-6

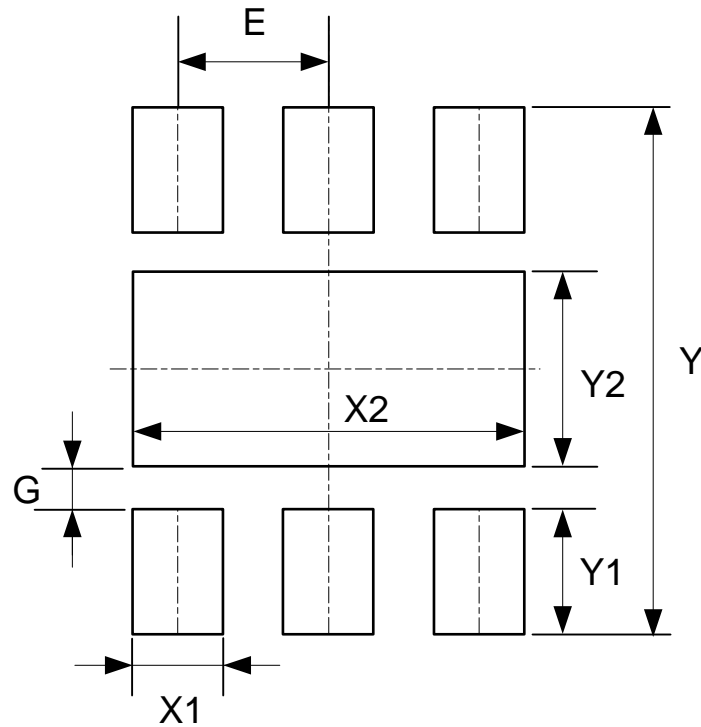


Dimensions	Y (mm)/(inch)	X1 (mm)/(inch)	Y1=E (mm)/(inch)	X2 (mm)/(inch)	Y2 (mm)/(inch)
Value	2.000/0.079	0.300/0.012	0.500/0.020	1.200/0.047	0.800/0.031

Packaging Information

Mounting Pad Layout

U-DFN1616-6 (Type G)



Dimensions	Y (mm)/(inch)	X1 (mm)/(inch)	E (mm)/(inch)	G (mm)/(inch)
Value	1.900/0.075	0.300/0.012	0.500/0.020	0.150/0.006
Dimensions	Y1 (mm)/(inch)	X2 (mm)/(inch)	Y2 (mm)/(inch)	---
Value	0.450/0.018	1.300/0.051	0.700/0.028	---

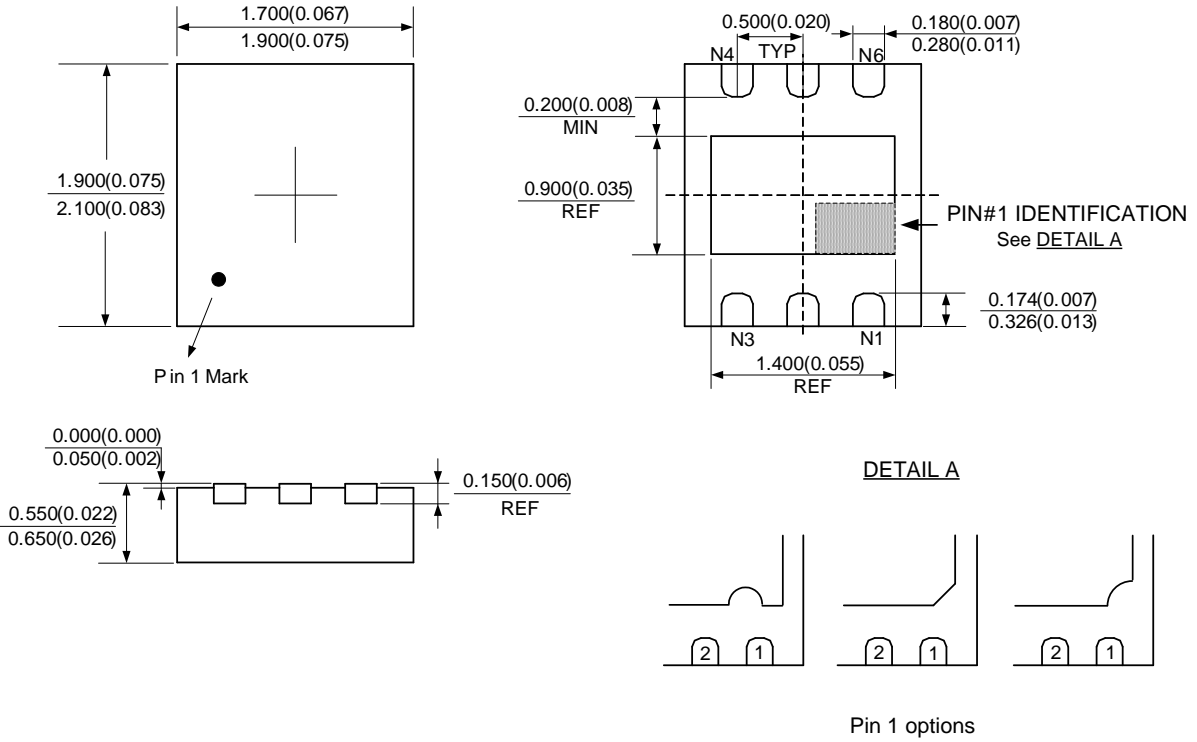


Packaging Information

Mechanical Dimensions

DFN-1.8x2-6

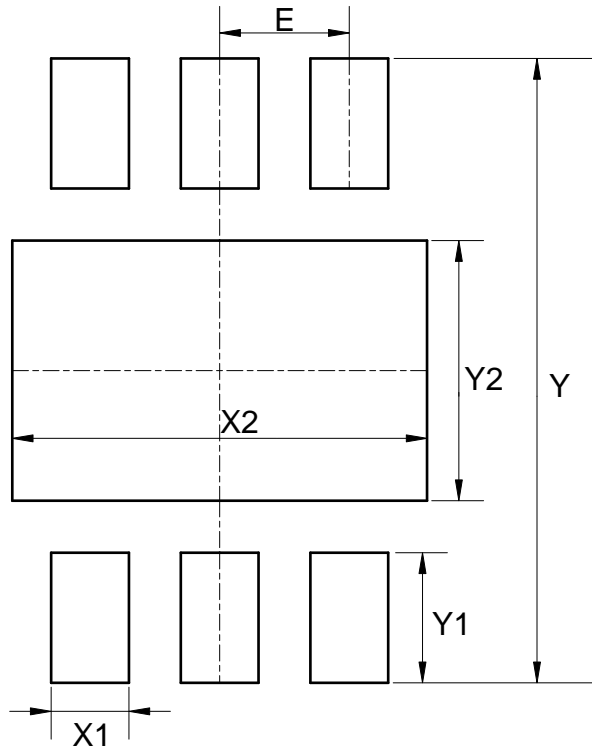
Unit: mm(inch)



Packaging Information

Mounting Pad Layout

DFN-1.8x2-6



Dimensions	Y (mm)/(inch)	X1 (mm)/(inch)	Y1=E (mm)/(inch)	X2 (mm)/(inch)	Y2 (mm)/(inch)
Value	2.400/0.094	0.300/0.012	0.500/0.020	1.600/0.063	1.000/0.039

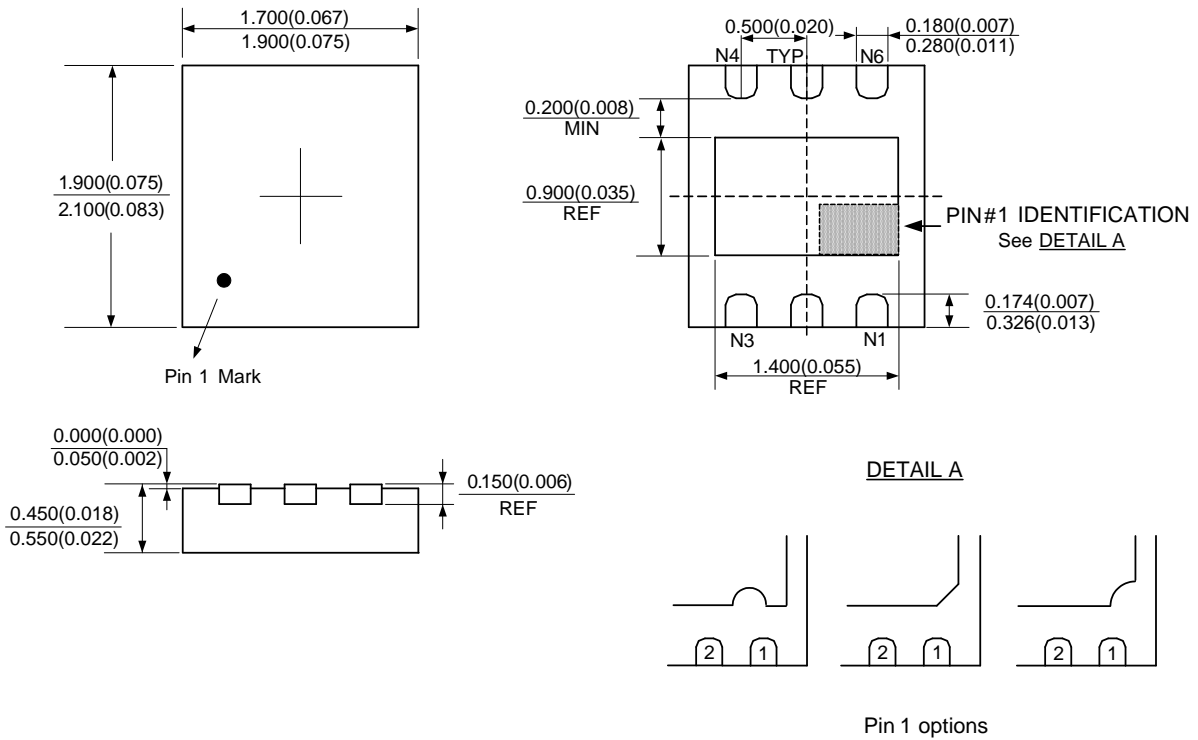


Packaging Information

Mechanical Dimensions

DFN-1.8x2-6A

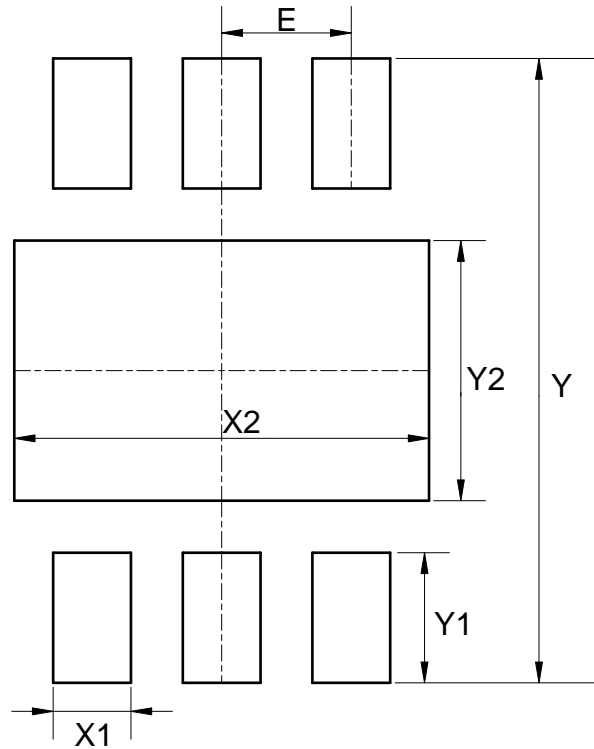
Unit: mm(inch)



Packaging Information

Mounting Pad Layout

DFN-1.8x2-6A



Dimensions	Y (mm)/(inch)	X1 (mm)/(inch)	Y1=E (mm)/(inch)	X2 (mm)/(inch)	Y2 (mm)/(inch)
Value	2.400/0.094	0.300/0.012	0.500/0.020	1.600/0.063	1.000/0.039

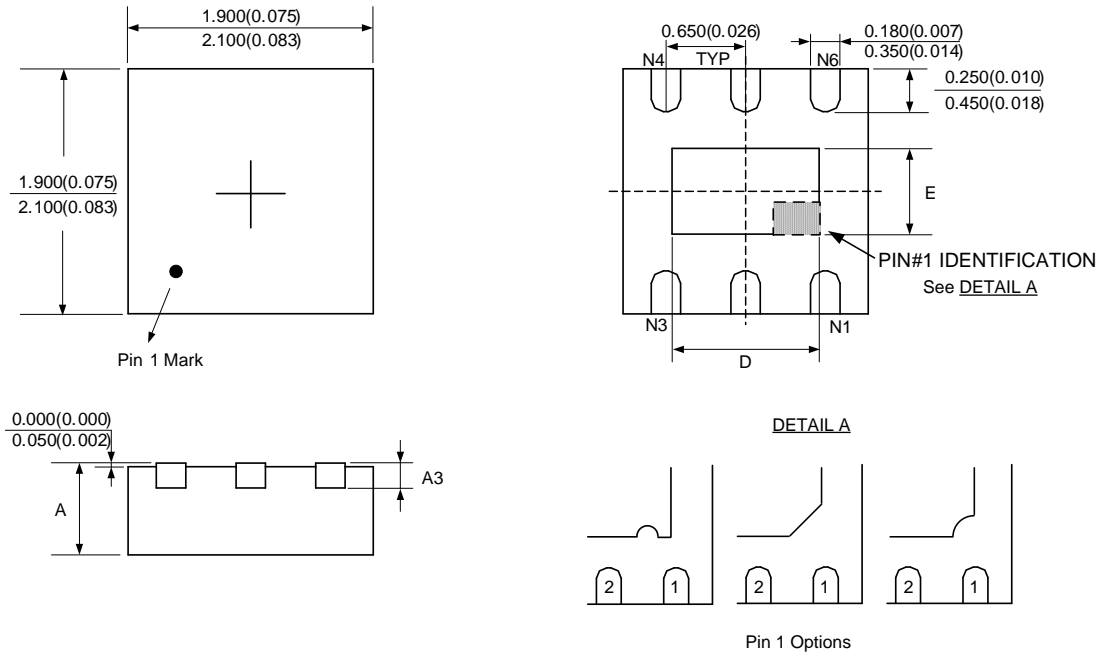


Packaging Information

Mechanical Dimensions

DFN-2x2-6

Unit: mm(inch)

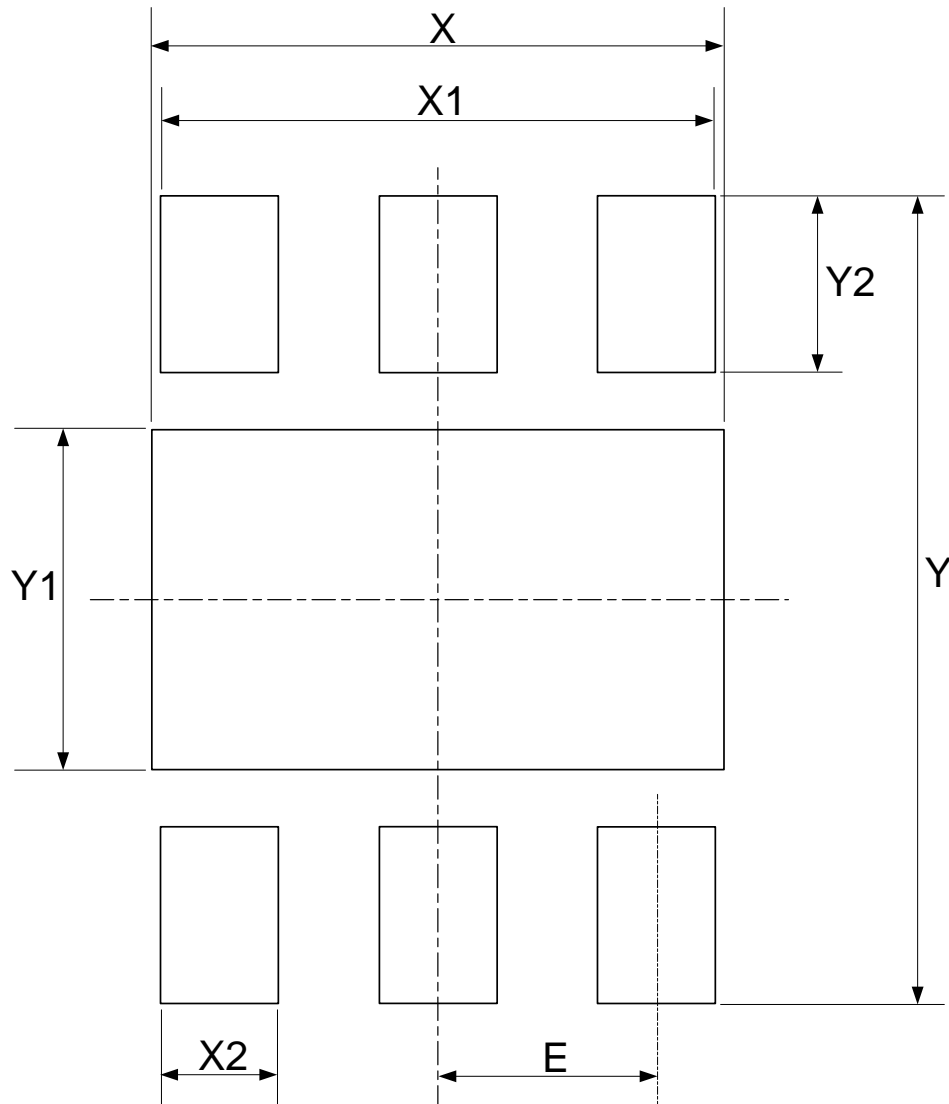


Symbol	D				E			
	min(mm)	max(mm)	min(inch)	max(inch)	min(mm)	max(mm)	min(inch)	max(inch)
Option1	1.200 (TYP)		0.047 (TYP)		0.700 (TYP)		0.028 (TYP)	
Option2	1.550	1.750	0.061	0.069	0.860	1.060	0.034	0.042
Symbol	A				A3			
	min(mm)	max(mm)	min(inch)	max(inch)	min(mm)	max(mm)	min(inch)	max(inch)
Option1	0.700	0.800	0.028	0.031	0.203 (TYP)		0.008 (TYP)	
Option2	0.570	0.630	0.022	0.025	0.150 (TYP)		0.006 (TYP)	

Packaging Information

Mounting Pad Layout

DFN-2x2-6



Dimensions	X (mm)/(inch)	Y (mm)/(inch)	X1 (mm)/(inch)	Y1 (mm)/(inch)
Value	1.700/0.067	2.400/0.094	1.650/0.065	1.010/0.040
Dimensions	X2 (mm)/(inch)	Y2 (mm)/(inch)	E (mm)/(inch)	-
Value	0.350/0.014	0.525/0.021	0.650/0.026	-



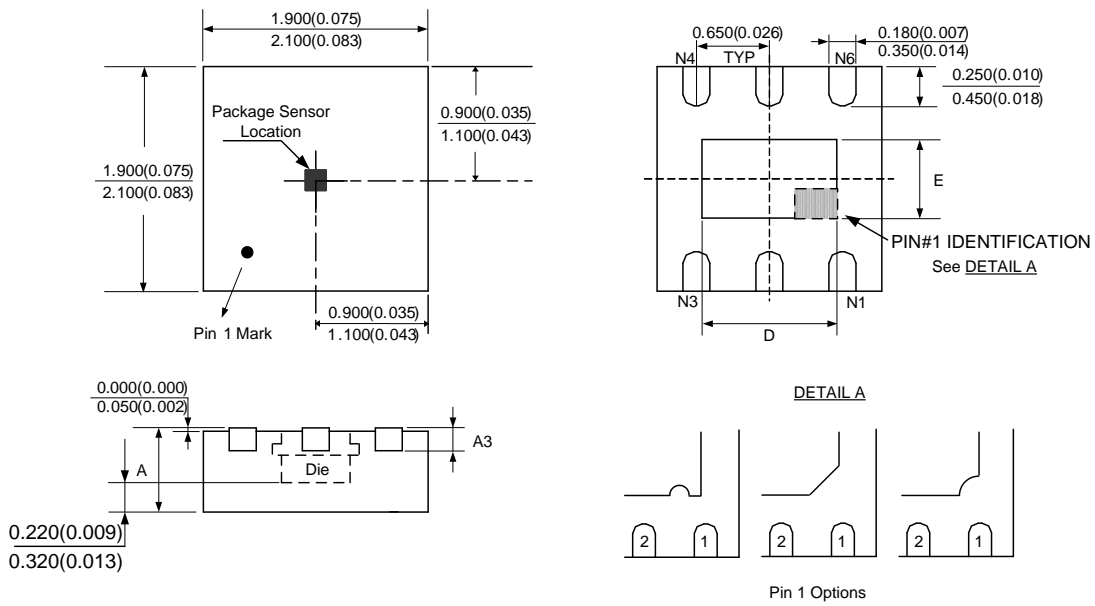
Packaging Information

Mechanical Dimensions

(140331 confirmed by AE Zhang Tao)

DFN-2x2-6 (Only for AH49F)

Unit: mm(inch)



Symbol	D				E			
	min(mm)	max(mm)	min(inch)	max(inch)	min(mm)	max(mm)	min(inch)	max(inch)
Option1	1.200 (TYP)		0.047 (TYP)		0.700 (TYP)		0.028 (TYP)	
Option2	1.550	1.750	0.061	0.069	0.860	1.060	0.034	0.042
Symbol	A				A3			
	min(mm)	max(mm)	min(inch)	max(inch)	min(mm)	max(mm)	min(inch)	max(inch)
Option1	0.700	0.800	0.028	0.031	0.203 (TYP)		0.008 (TYP)	
Option2	0.570	0.630	0.022	0.025	0.150 (TYP)		0.006 (TYP)	



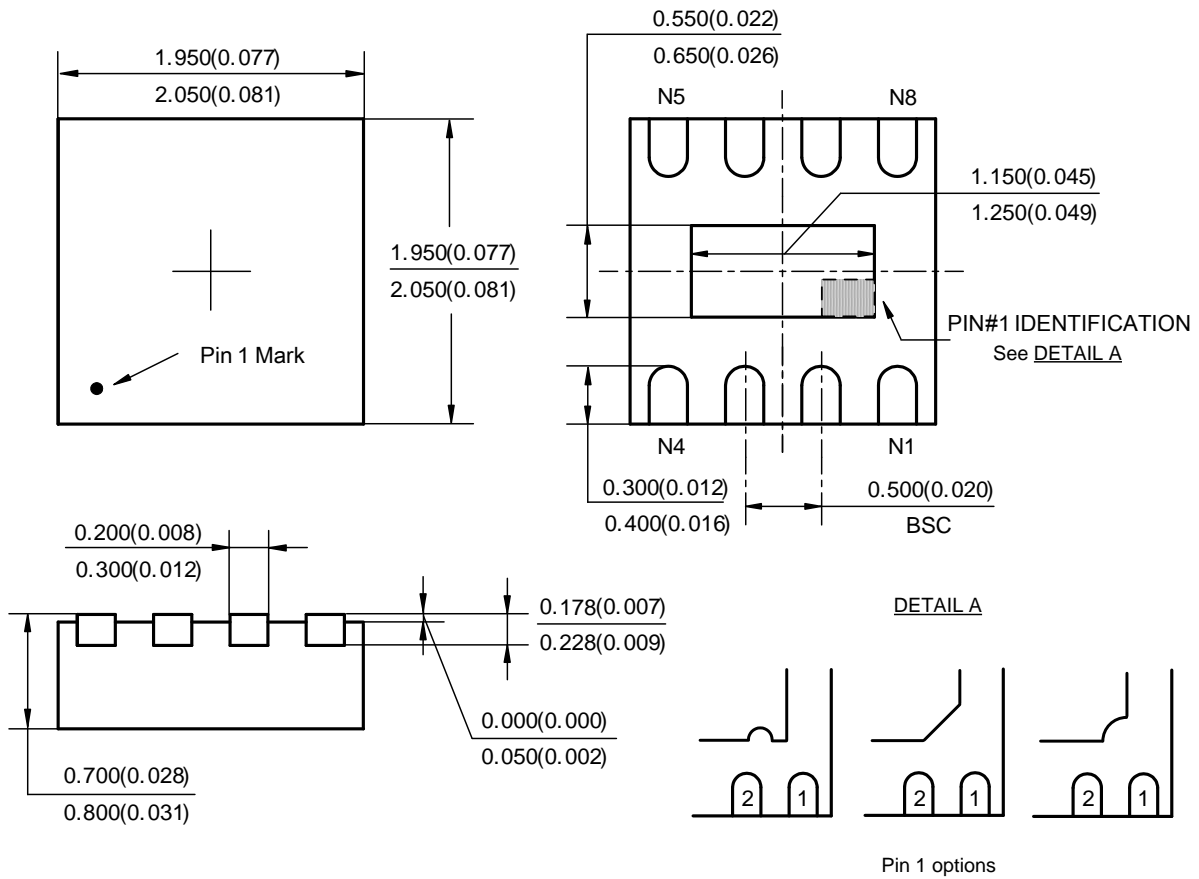
Packaging Information

Mechanical Dimensions

DFN-2x2-8

Unit: mm(inch)

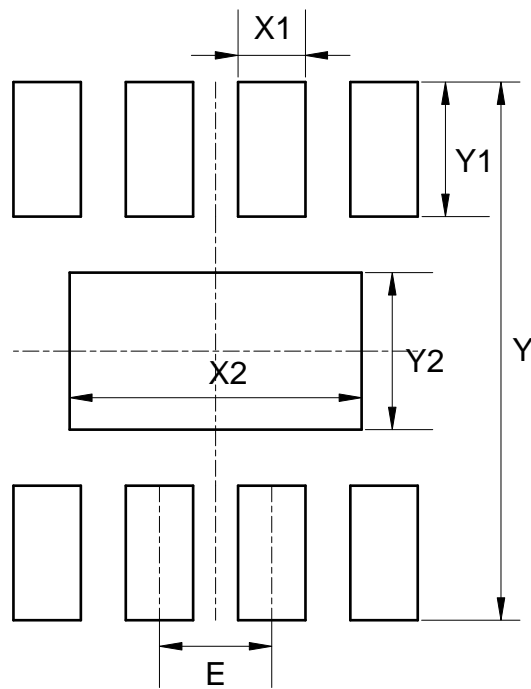
New Product Changed to W-DFN2020-8 (2013.10)



Packaging Information

Mounting Pad Layout

DFN-2x2-8



Dimensions	Y (mm)/(inch)	X1 (mm)/(inch)	Y1 (mm)/(inch)	X2 (mm)/(inch)	Y2 (mm)/(inch)	E (mm)/(inch)
Value	2.400/0.094	0.300/0.012	0.600/0.024	1.300/0.051	0.700/0.028	0.500/0.020

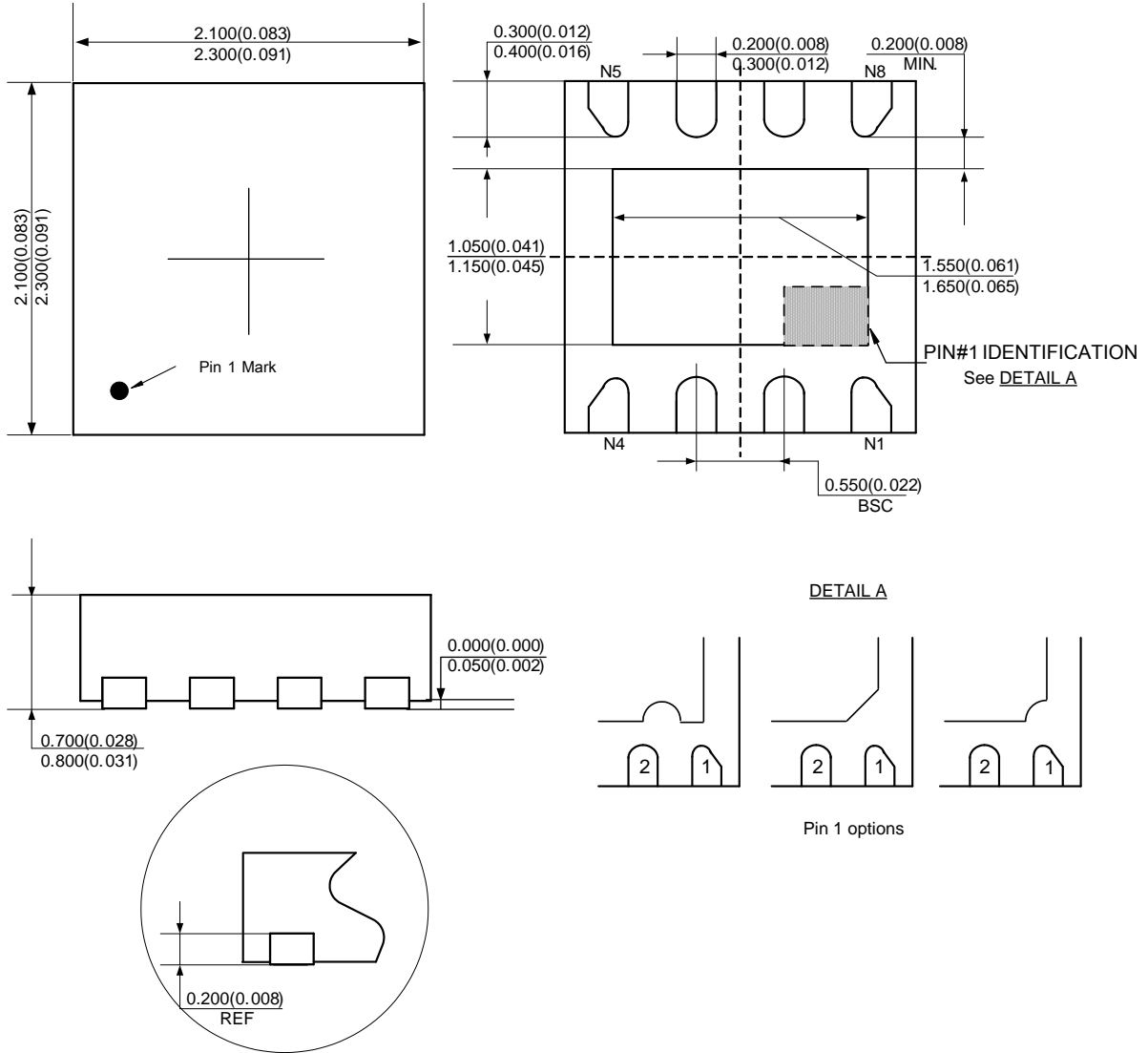


Packaging Information

Mechanical Dimensions

DFN-2.2x2.2-8

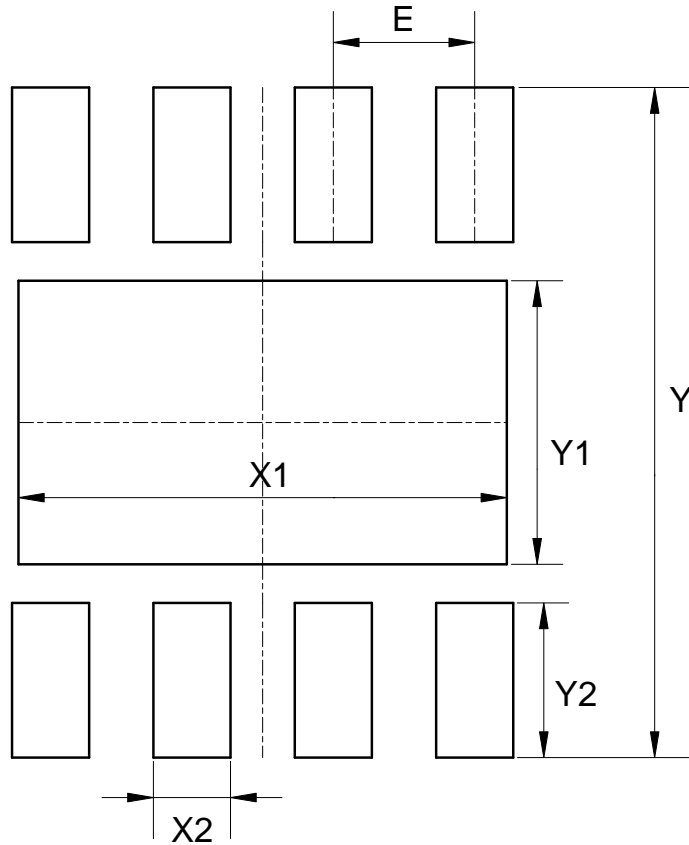
Unit: mm(inch)



Packaging Information

Mounting Pad Layout

DFN-2.2x2.2-8



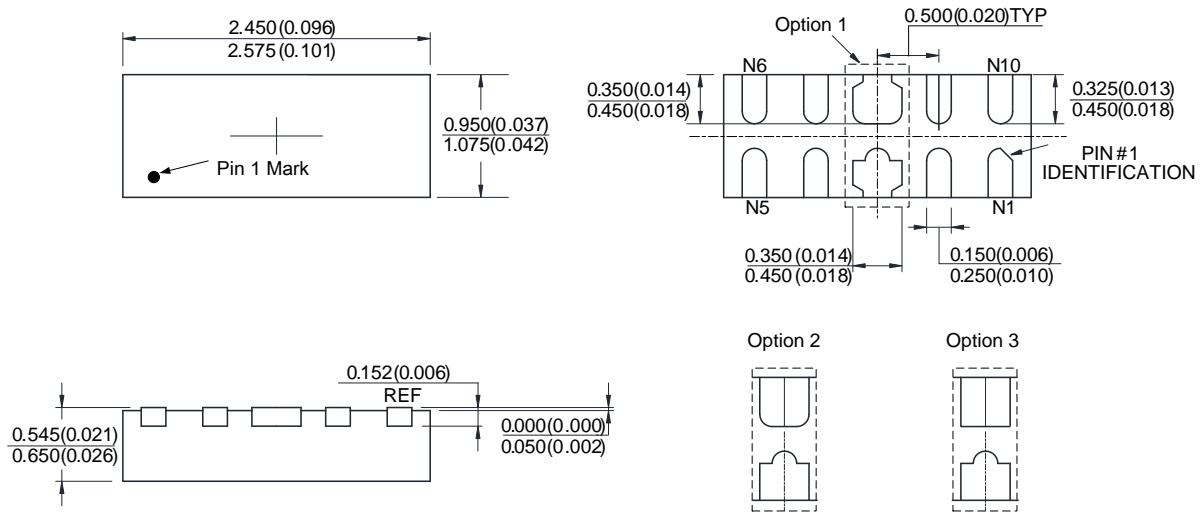
Dimensions	Y (mm)/(inch)	X1 (mm)/(inch)	Y1 (mm)/(inch)	X2 (mm)/(inch)	Y2 (mm)/(inch)	E (mm)/(inch)
Value	2.600/0.102	1.900/0.075	1.100/0.043	0.300/0.012	0.600/0.024	0.550/0.022



Packaging Information

Mechanical Dimensions

DFN-2.5x1.0-10(Except ITVS) Unit: mm(inch)
New Product Changed to U-DFN2510-10 (2013.10)



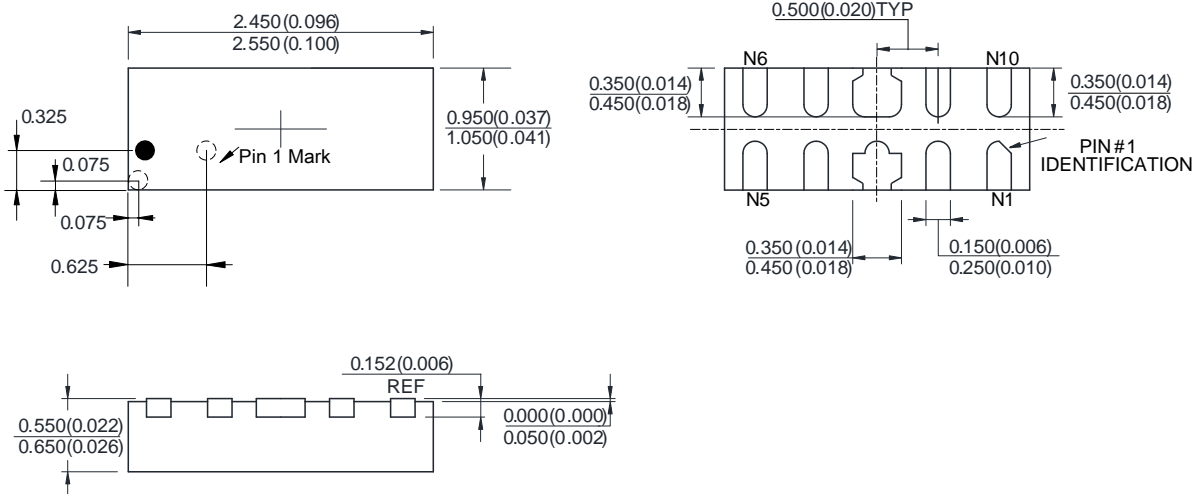


Packaging Information

Mechanical Dimensions

DFN-2.5x1.0-10 (Only for ITVS)

Unit: $\frac{\text{mm}(\text{inch})}{\text{MIN}}$
 $\frac{\text{mm}(\text{inch})}{\text{MAX}}$

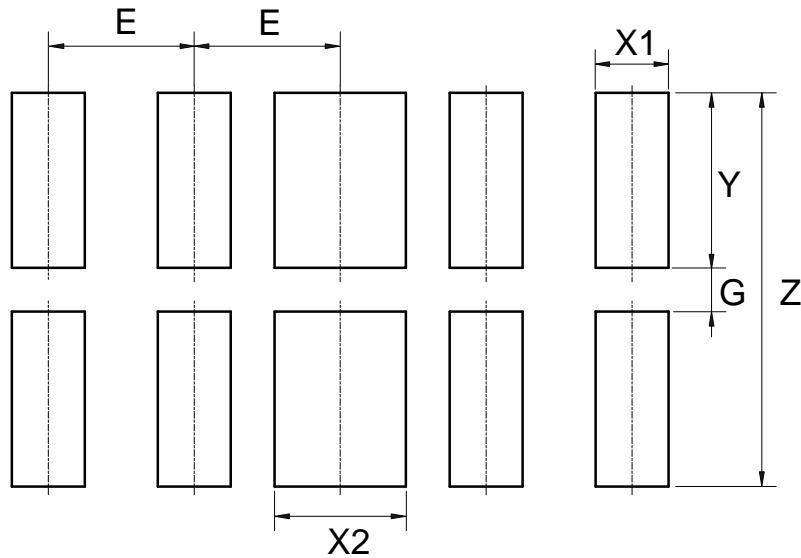


Note: Pin1 Dot \varnothing 0.15mm
Pin1 Dot area 0.4mm * 0.7mm

Packaging Information

Mounting Pad Layout

DFN-2.5×1.0-10



Dimensions	Z (mm)/(inch)	G (mm)/(inch)	X1 (mm)/(inch)	X2 (mm)/(inch)	Y (mm)/(inch)	E (mm)/(inch)
Value	1.350/0.053	0.150/0.006	0.250/0.010	0.450/0.018	0.600/0.024	0.500/0.020

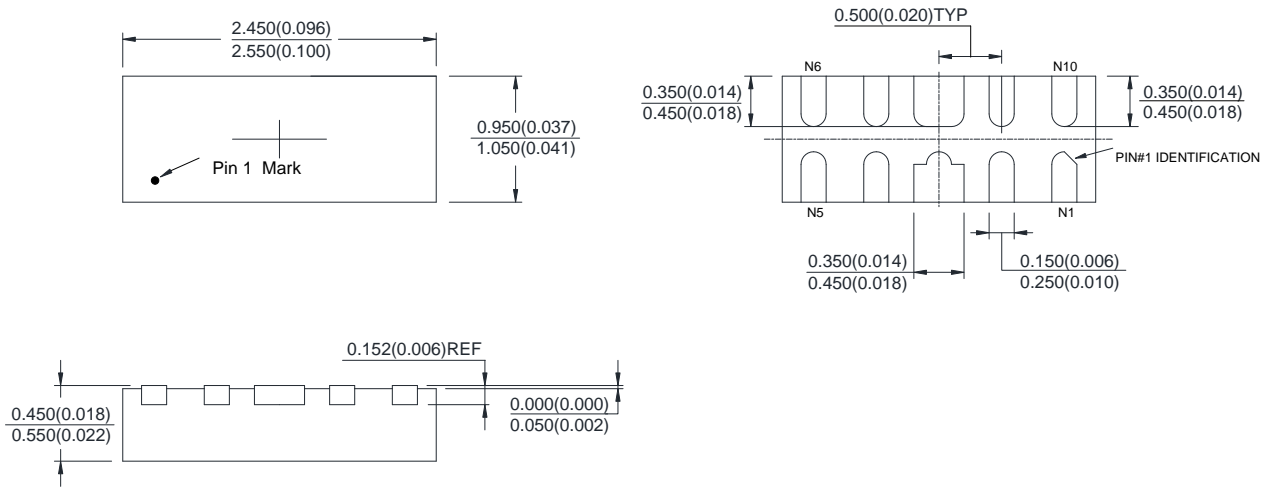


Packaging Information

Mechanical Dimensions

DFN-2.5x1.0-10(1)

Unit: mm(inch)

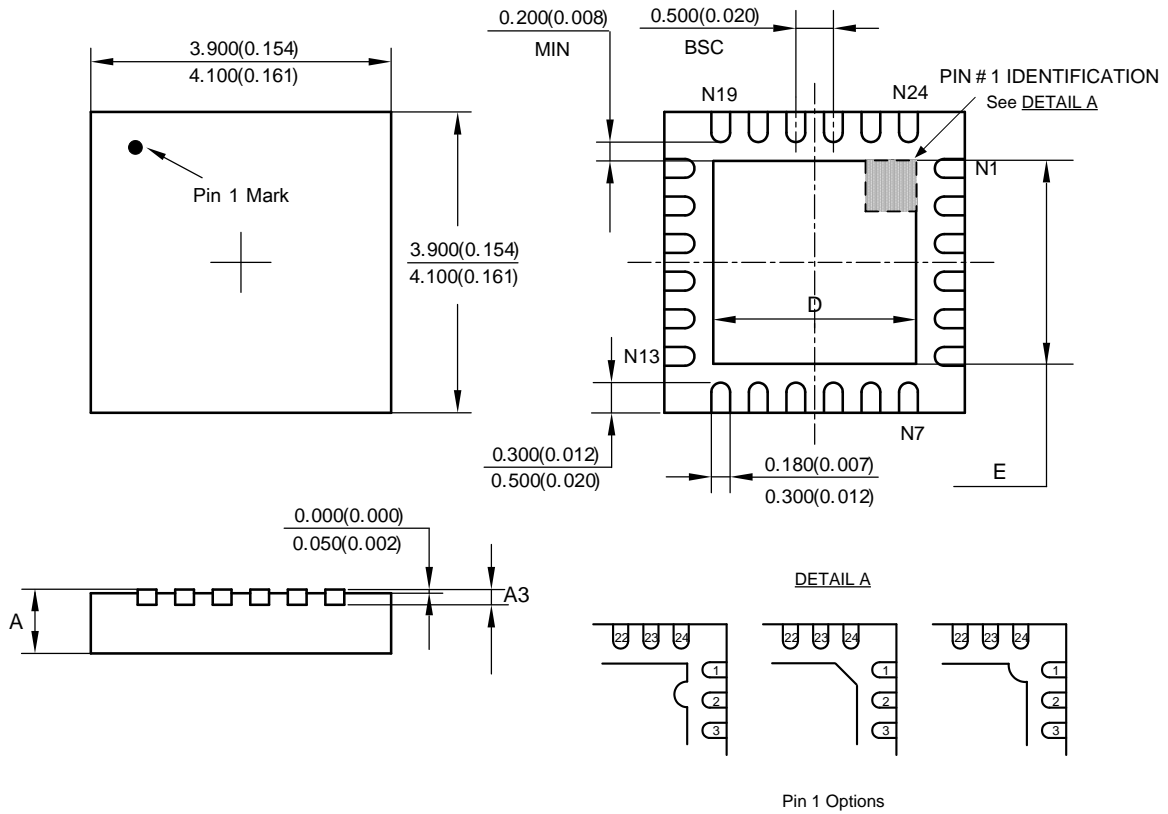


Packaging Information

Mechanical Dimensions

QFN-4x4-24

Unit: mm(inch)

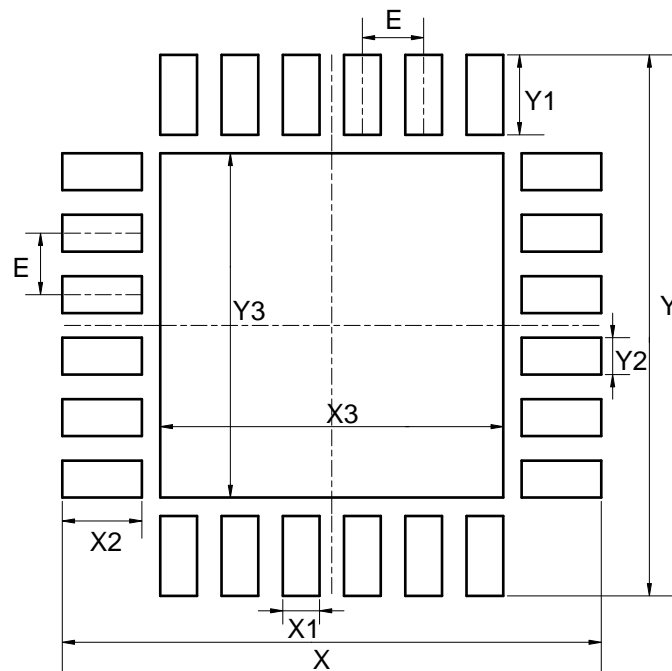


Symbol	D=E				A				A3			
	min(mm)	max(mm)	min(inch)	max(inch)	min(mm)	max(mm)	min(inch)	max(inch)	min(mm)	max(mm)	min(inch)	max(inch)
Option1	2.600	2.800	0.102	0.110	0.700	0.850	0.028	0.033	0.153	0.253	0.006	0.010
Option2	2.350	2.550	0.093	0.100	0.700	0.850	0.028	0.033	0.153	0.253	0.006	0.010
Option3	2.600	2.800	0.102	0.110	0.550	0.650	0.022	0.026	0.125	0.175	0.005	0.007

Packaging Information

Mounting Pad Layout

QFN-4x4-24



Dimensions	X=Y (mm)/(inch)	X1=Y2 (mm)/(inch)	Y1=X2 (mm)/(inch)	X3=Y3 (mm)/(inch)	E (mm)/(inch)
Value	4.400/0.173	0.300/0.012	0.650/0.026	2.800/0.110	0.500/0.020

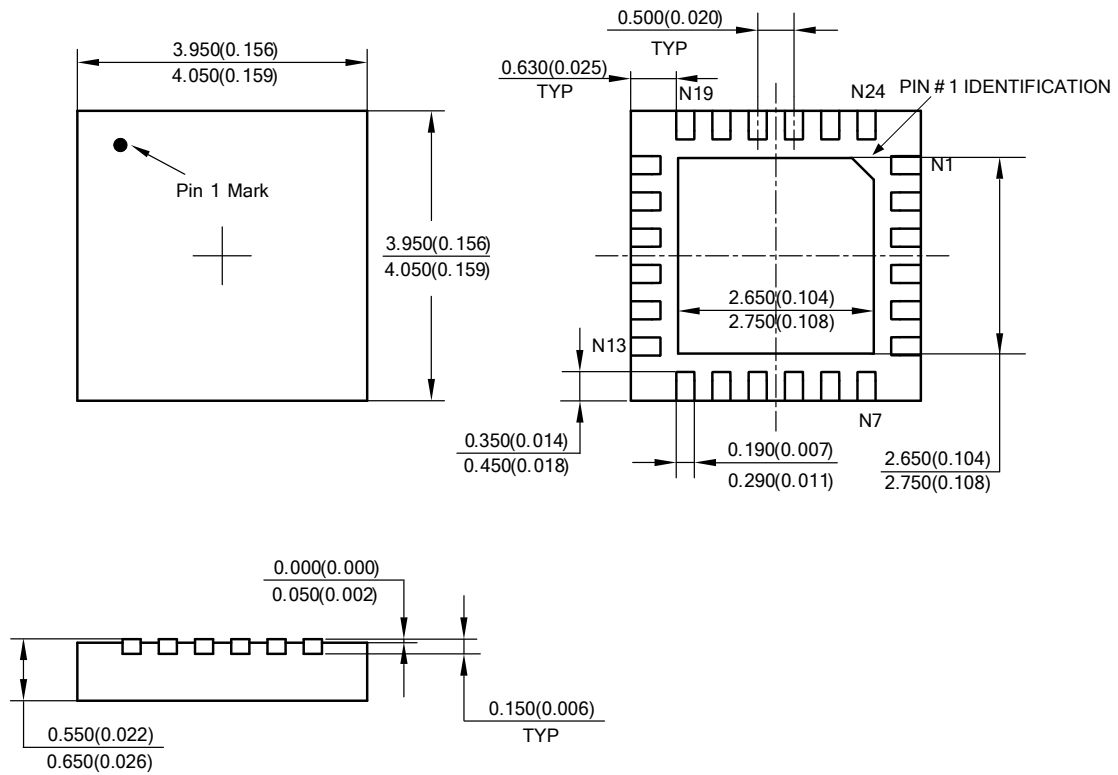


Packaging Information

Mechanical Dimensions

QFN-4x4-24 (Type B)

Unit: mm(inch)

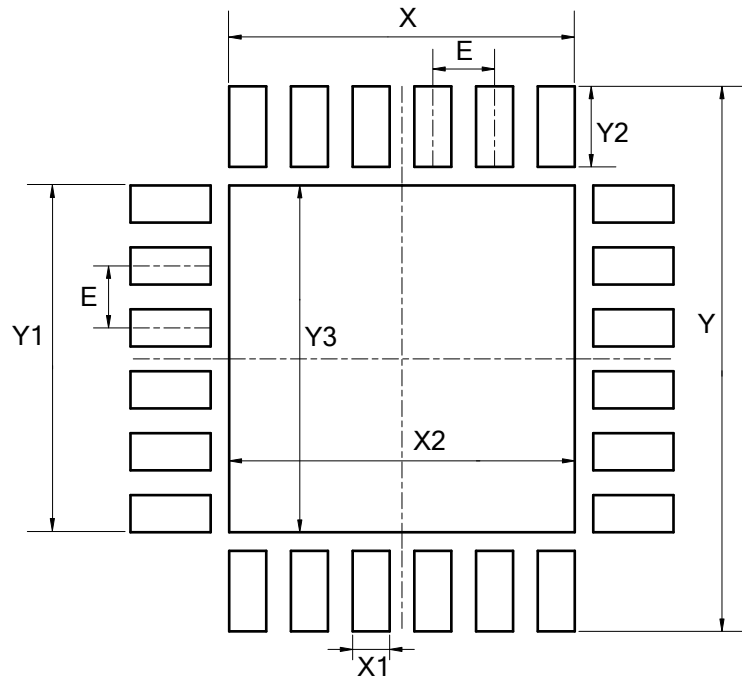




Packaging Information

Mounting Pad Layout

QFN-4x4-24 (Type B)



Dimensions	X=Y1 (mm)/(inch)	Y (mm)/(inch)	X1 (mm)/(inch)	Y2 (mm)/(inch)
Value	2.840/0.112	4.300/0.169	0.340/0.013	0.600/0.024
Dimensions	X2=Y3 (mm)/(inch)	E (mm)/(inch)	-	-
Value	2.800/0.110	0.500/0.020	-	-

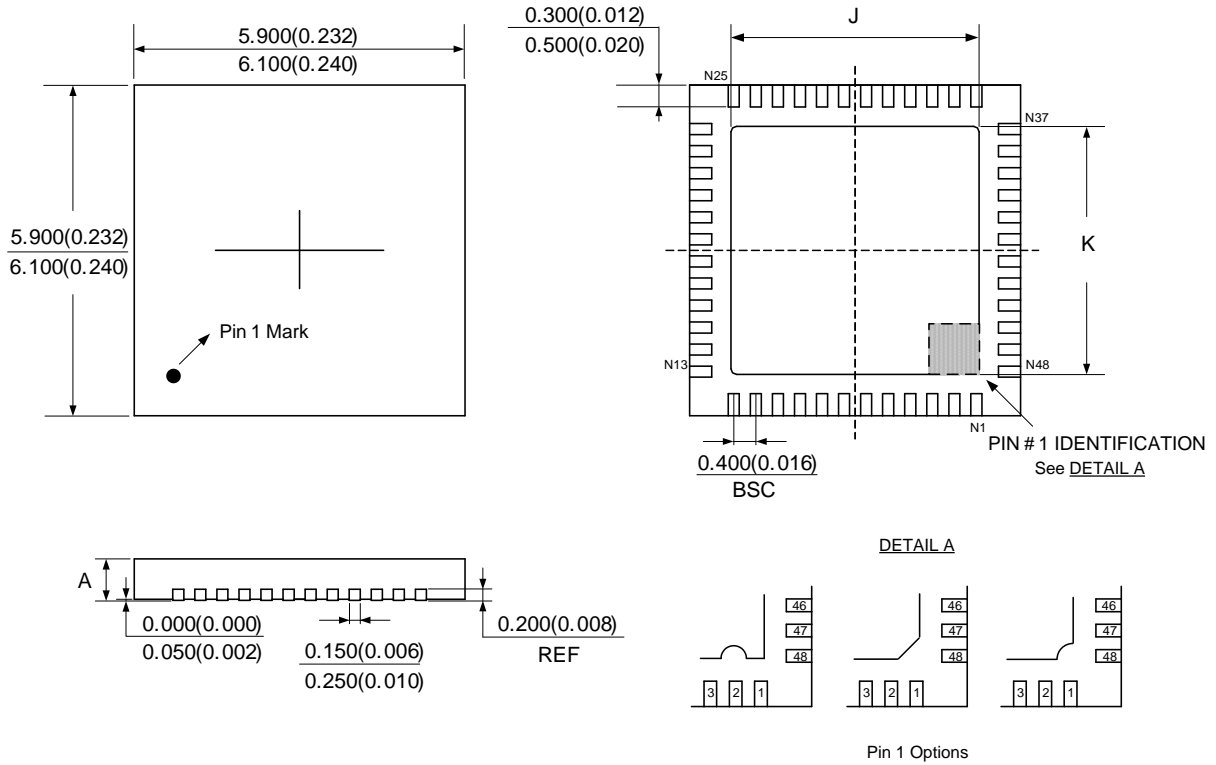


Packaging Information

Mechanical Dimensions

QFN-6x6-48

Unit: mm(inch)



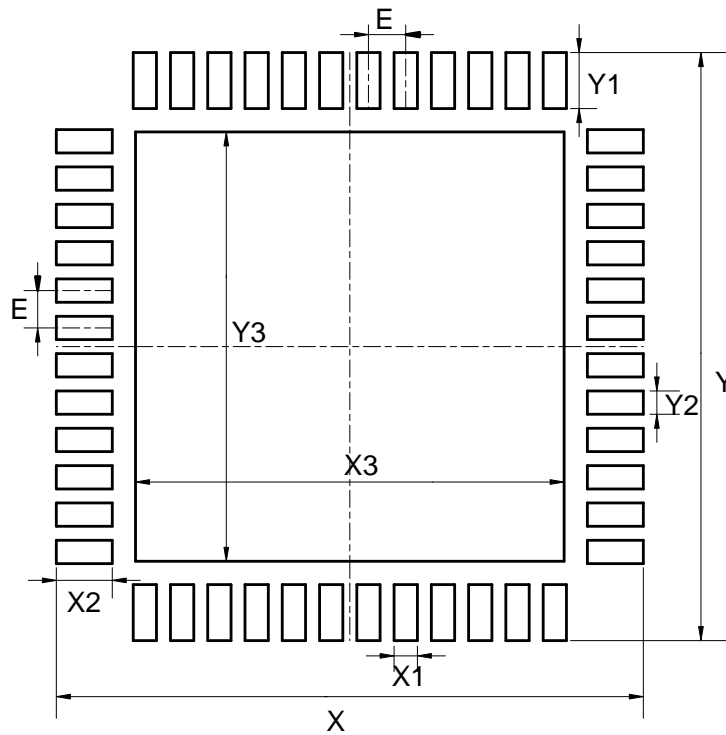
Symbol	J=K				A			
	min(mm)	max(mm)	min(inch)	max(inch)	min(mm)	max(mm)	min(inch)	max(inch)
Option1	4.400	4.600	0.173	0.181	0.700	0.800	0.028	0.031
Option2	4.150	4.450	0.163	0.175	0.800	0.900	0.031	0.035



Packaging Information

Mounting Pad Layout

QFN-6x6-48

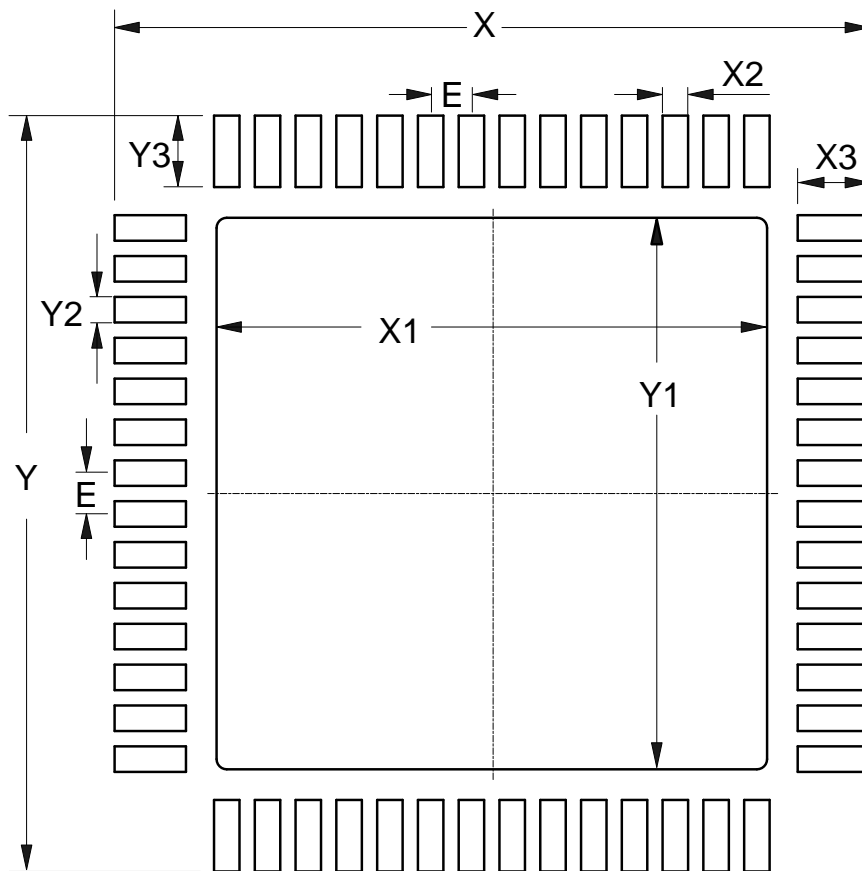


Dimensions	X=Y (mm)/(inch)	X1=Y2 (mm)/(inch)	Y1=X2 (mm)/(inch)	X3=Y3 (mm)/(inch)	E (mm)/(inch)
Value	6.300/0.248	0.250/0.010	0.600/0.024	4.600/0.181	0.400/0.016

Packaging Information

Mounting Pad Layout

QFN-7x7-56



Dimensions	$X=Y$ (mm)/(inch)	$X_1=Y_1$ (mm)/(inch)	$X_2=Y_2$ (mm)/(inch)	$X_3=Y_3$ (mm)/(inch)	E (mm)/(inch)
Value	7.400/0.291	5.400/0.213	0.250/0.010	0.700/0.028	0.400/0.016

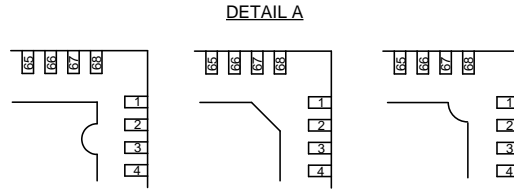
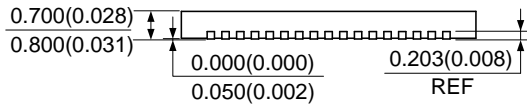
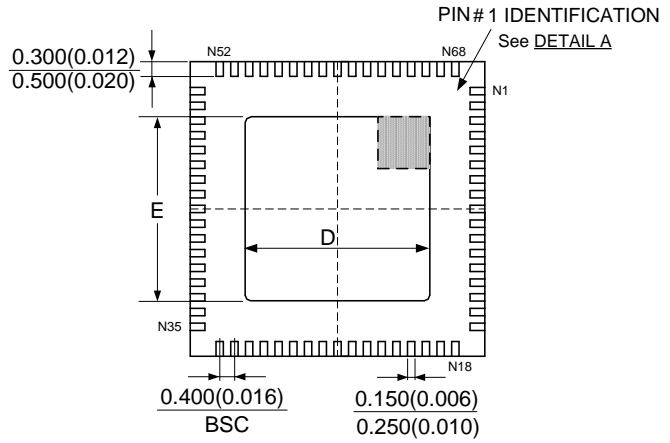
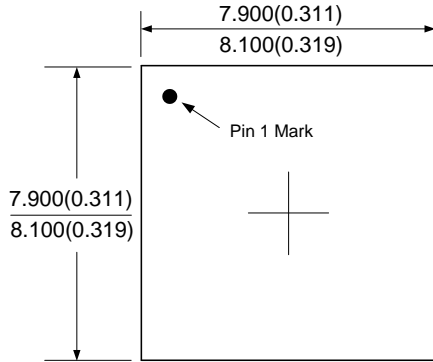


Packaging Information

Mechanical Dimensions

QFN-8x8-68

Unit: mm(inch)



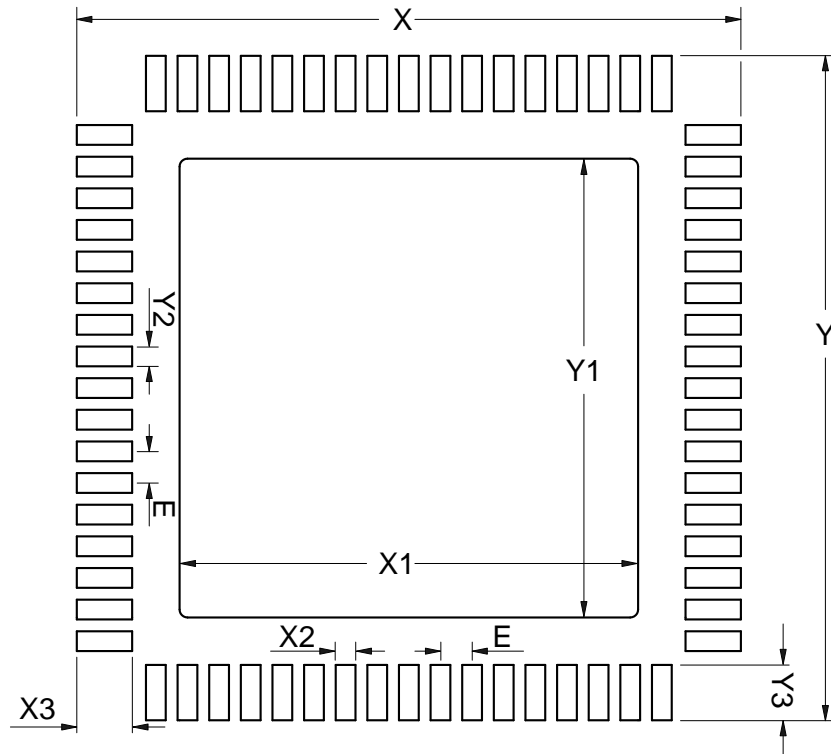
Pin 1 Options

Symbol	D				E			
	min(mm)	max(mm)	min(inch)	max(inch)	min(mm)	max(mm)	min(inch)	max(inch)
Option1	4.300	4.500	0.169	0.177	4.300	4.500	0.169	0.177
Option2	5.400	5.600	0.213	0.220	5.400	5.600	0.213	0.220
Option3	6.100	6.300	0.240	0.248	6.100	6.300	0.240	0.248

Packaging Information

Mounting Pad Layout

QFN-8×8-68



Dimensions	X=Y mm(inch)	X1=Y1 mm(inch)	X2=Y2 mm(inch)	E mm(inch)	X3=Y3 mm(inch)
Option1	8.400(0.331)	4.700(0.185)	0.250(0.010)	0.400(0.016)	0.700(0.028)
Option2	8.400(0.331)	5.800(0.228)	0.250(0.010)	0.400(0.016)	0.700(0.028)
Option3	8.400(0.331)	6.500(0.256)	0.250(0.010)	0.400(0.016)	0.700(0.028)

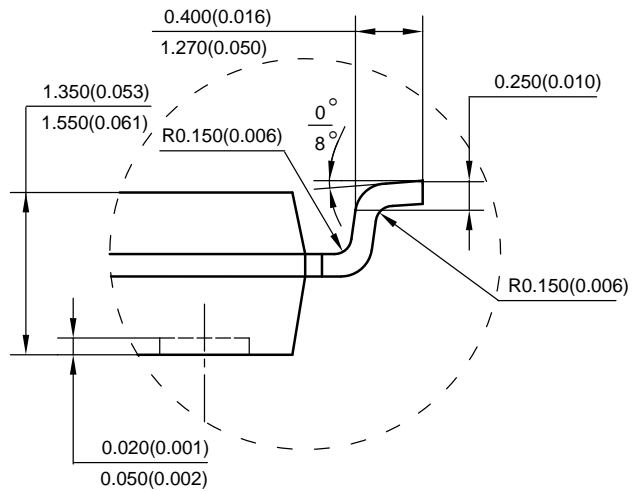
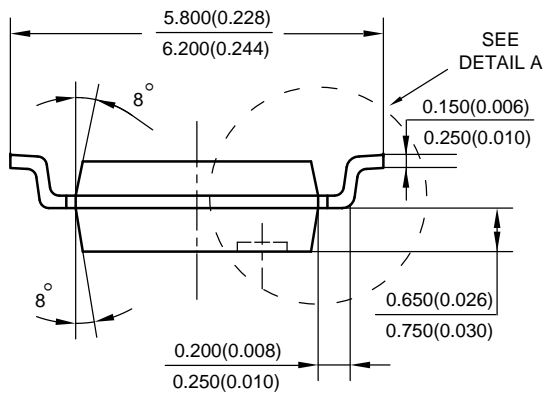
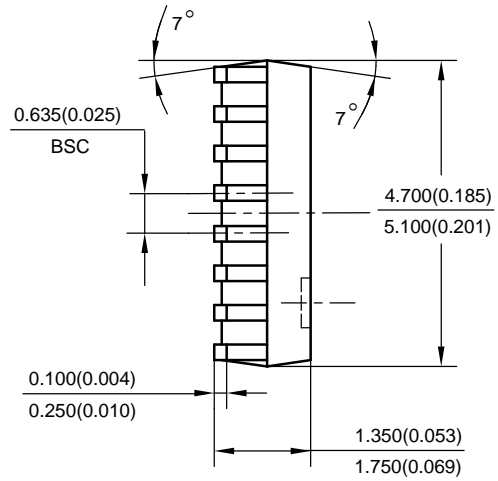
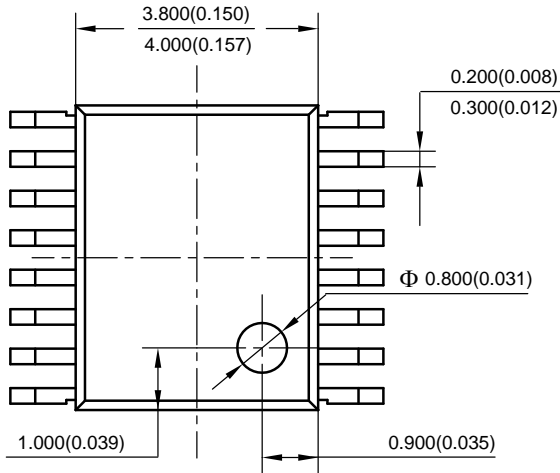


Packaging Information

Mechanical Dimensions

SSOP-16

Unit: mm(inch)



Note: Eject hole, oriented hole and mold mark is optional.

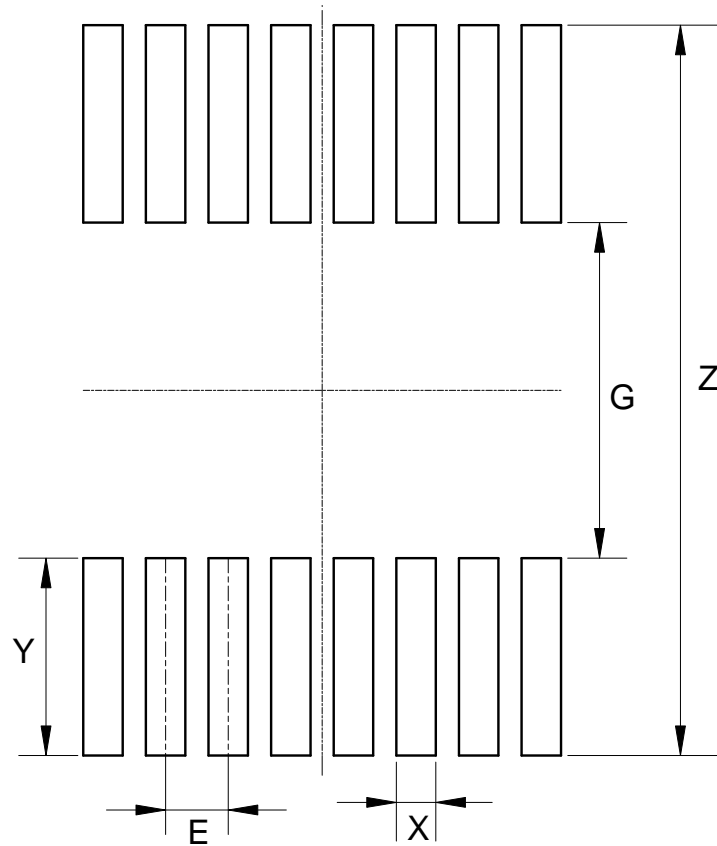
DETAIL A



Packaging Information

Mounting Pad Layout

SSOP-16



Dimensions	Z (mm)/(inch)	G (mm)/(inch)	X (mm)/(inch)	Y (mm)/(inch)	E (mm)/(inch)
Value	7.400/0.291	3.400/0.134	0.400/0.016	2.000/0.079	0.635/0.025

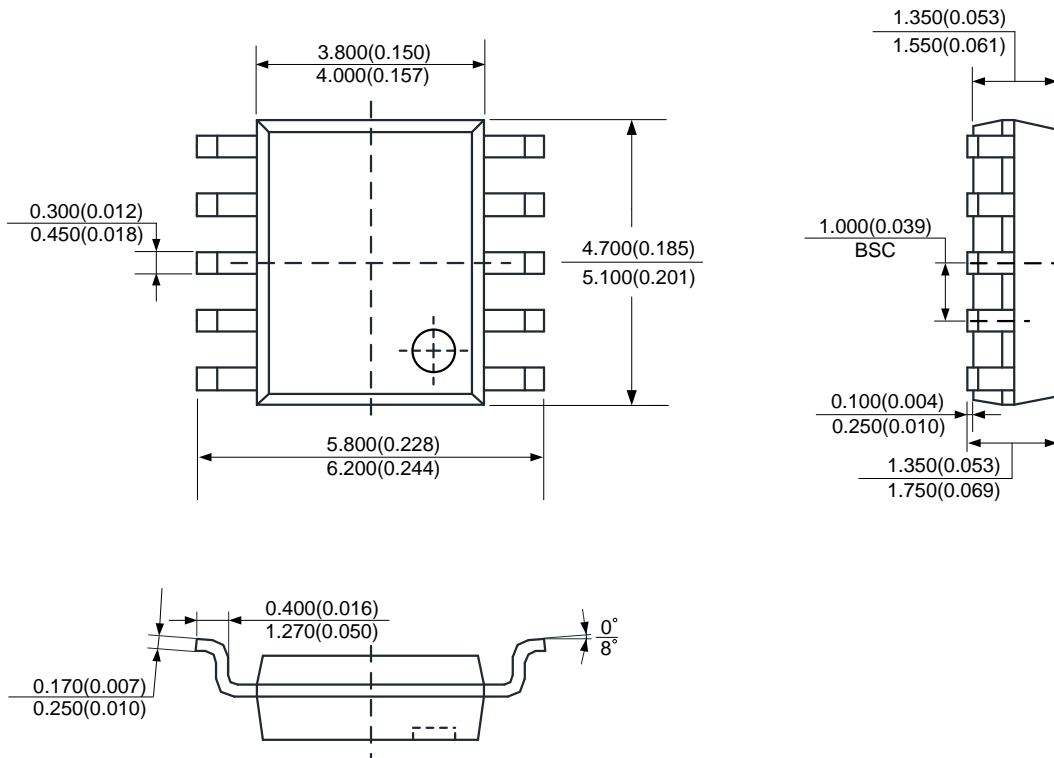


Packaging Information

Mechanical Dimensions

SSOP-10

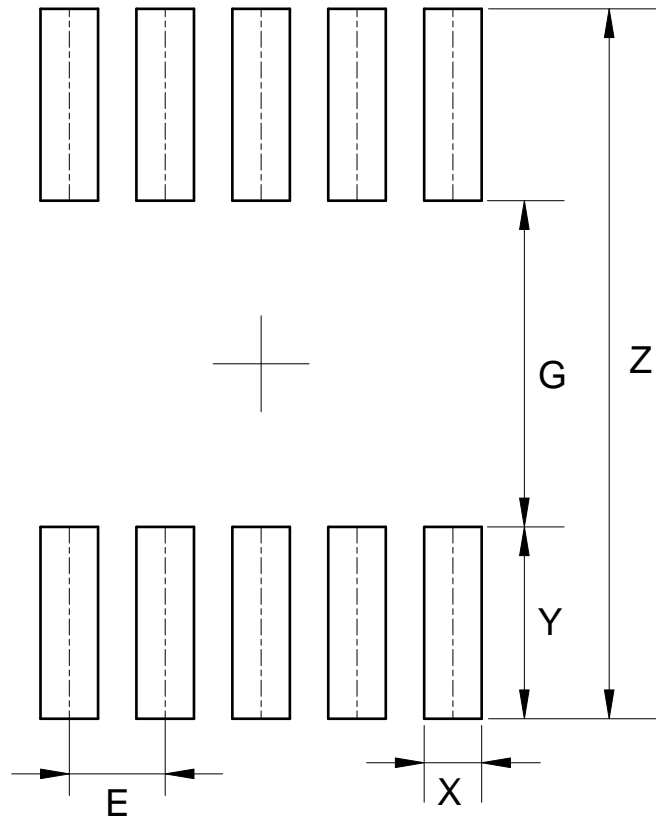
Unit: mm(inch)



Packaging Information

Mounting Pad Layout

SSOP-10



Dimensions	Z (mm)/(inch)	G (mm)/(inch)	X (mm)/(inch)	Y (mm)/(inch)	E (mm)/(inch)
Value	7.400/0.291	3.400/0.134	0.600/0.024	2.000/0.079	1.000/0.039

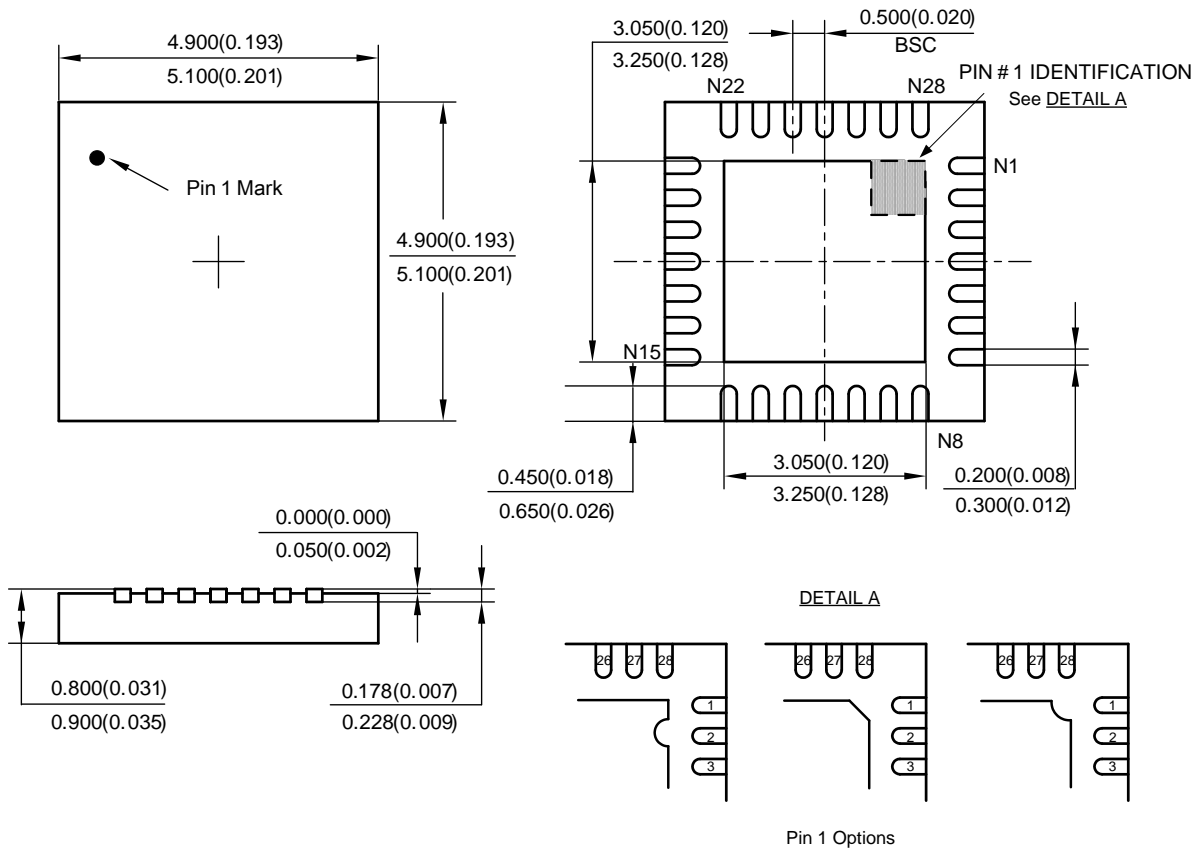


Packaging Information

Mechanical Dimensions

QFN-5x5-28

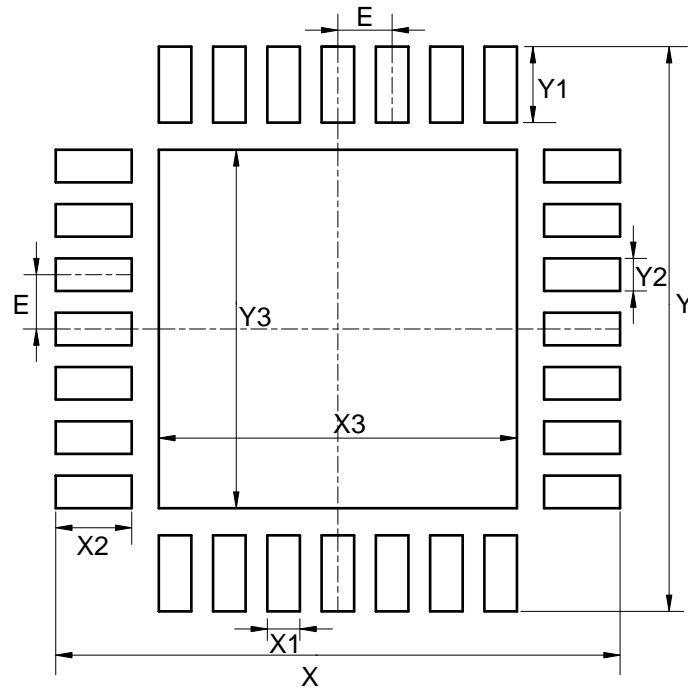
Unit: mm(inch)



Packaging Information

Mounting Pad Layout

QFN-5x5-28



Dimensions	X=Y (mm)/(inch)	X1=Y2 (mm)/(inch)	Y1=X2 (mm)/(inch)	X3=Y3 (mm)/(inch)	E (mm)/(inch)
Value	5.200/0.205	0.300/0.012	0.700/0.028	3.300/0.130	0.500/0.020

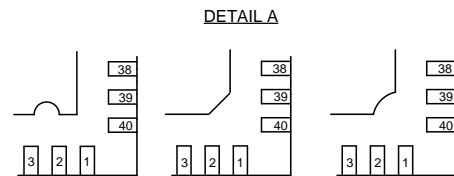
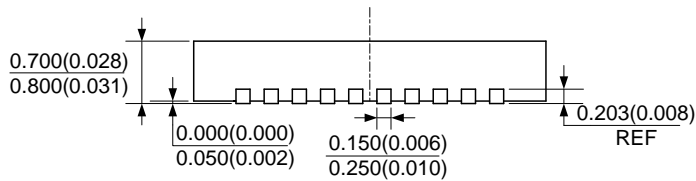
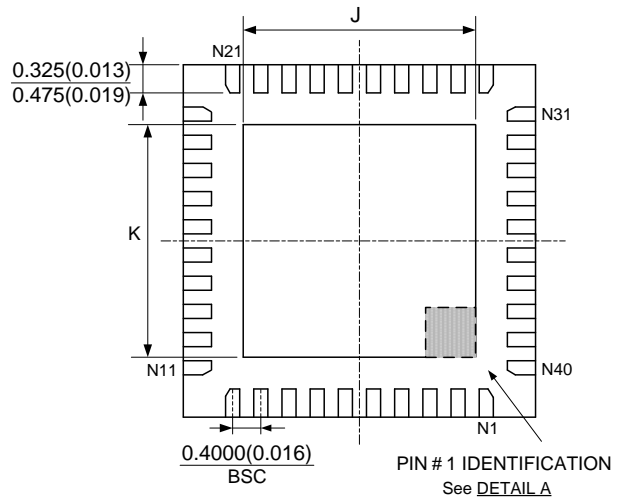
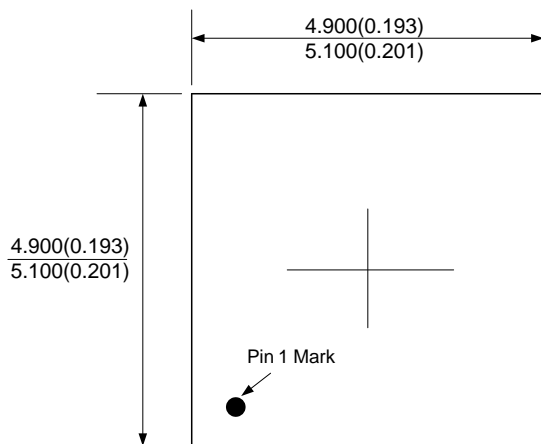


Packaging Information

Mechanical Dimensions

QFN-5x5-40

Unit: mm(inch)



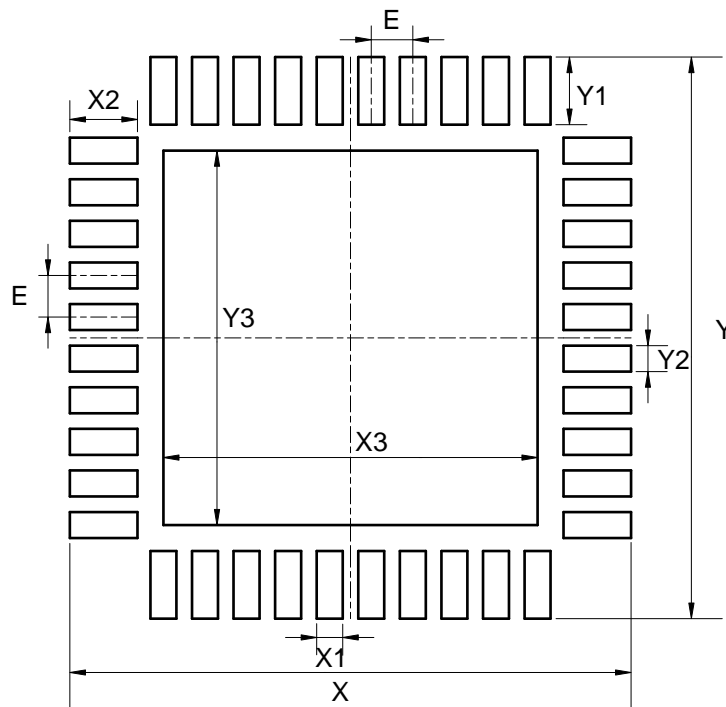
Pin 1 Options

Symbol	J=K			
	min(mm)	max(mm)	min(inch)	max(inch)
Option1	3.200	3.400	0.126	0.134
Option2	3.300	3.500	0.130	0.138
Option3	3.600	3.800	0.142	0.150

Packaging Information

Mounting Pad Layout

QFN-5x5-40



Dimensions	X=Y (mm)/(inch)	X1=Y2 (mm)/(inch)	Y1=X2 (mm)/(inch)	X3=Y3 (mm)/(inch)	E (mm)/(inch)
Option1	5.400/0.213	0.250/0.010	0.650/0.026	3.500/0.138	0.400/0.016
Option2	5.400/0.213	0.250/0.010	0.650/0.026	3.600/0.142	0.400/0.016
Option3	5.400/0.213	0.250/0.010	0.650/0.026	3.800/0.150	0.400/0.016

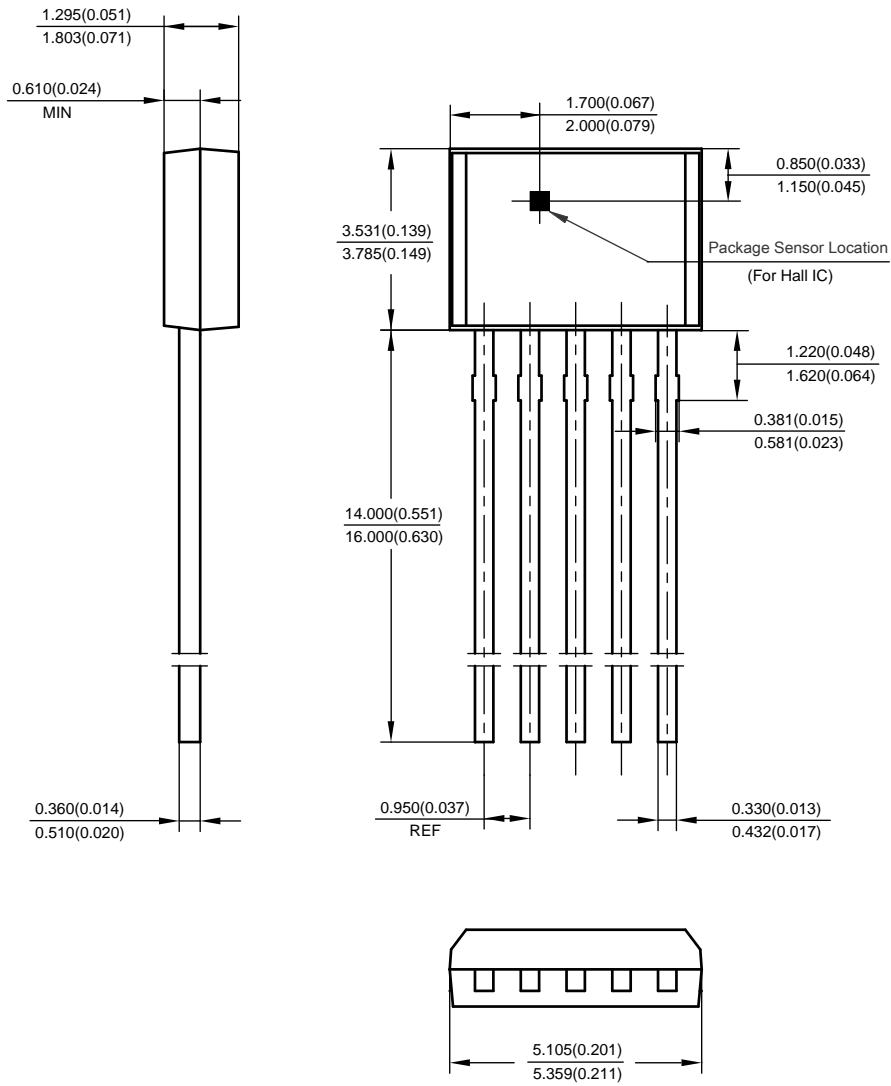


Packaging Information

Mechanical Dimensions

TO-95 (Only for AH487)

Unit: mm(inch)





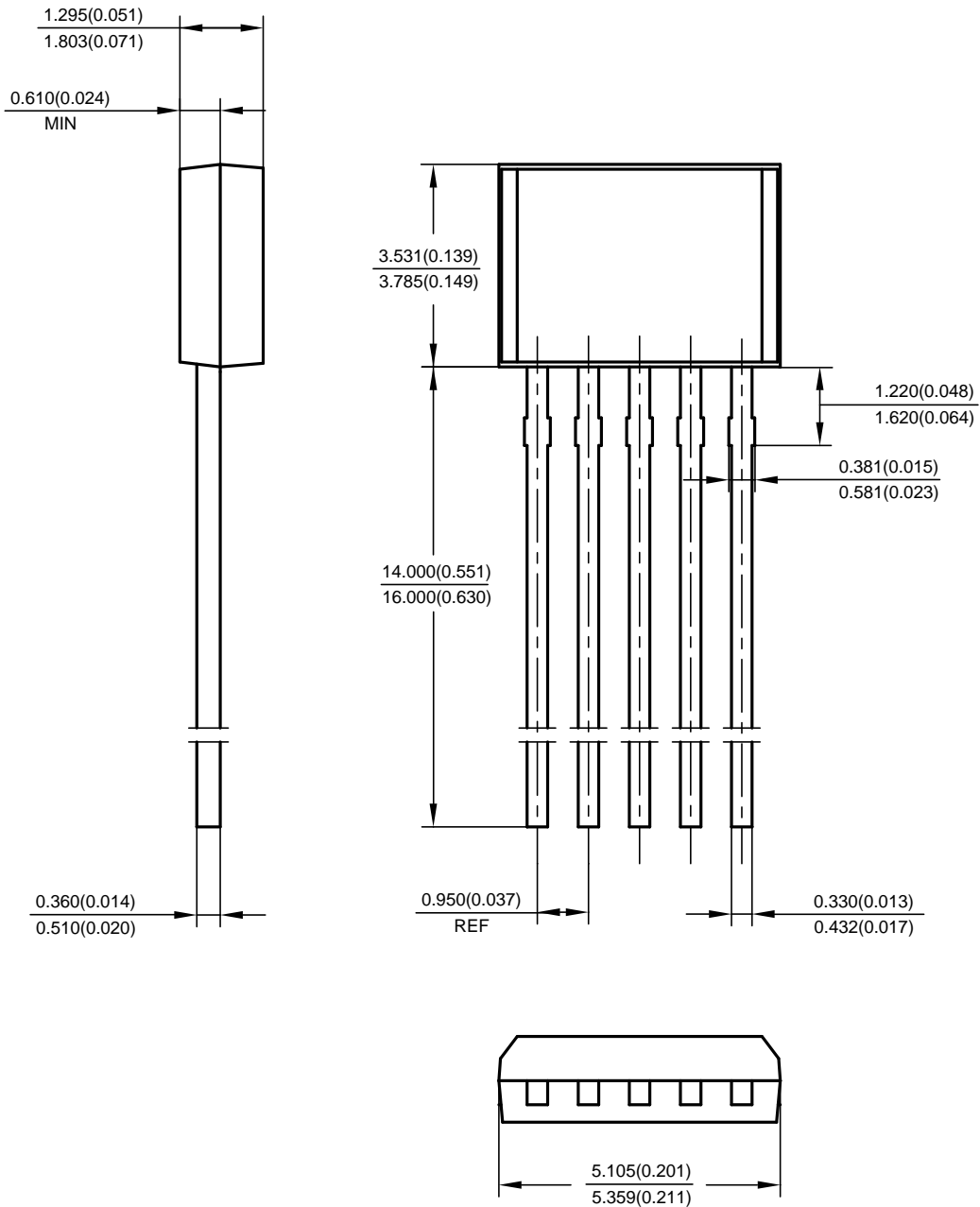
Packaging Information

Mechanical Dimensions

TO-95

Unit: mm(inch)

New Product Changed to TO95 (2013.10)



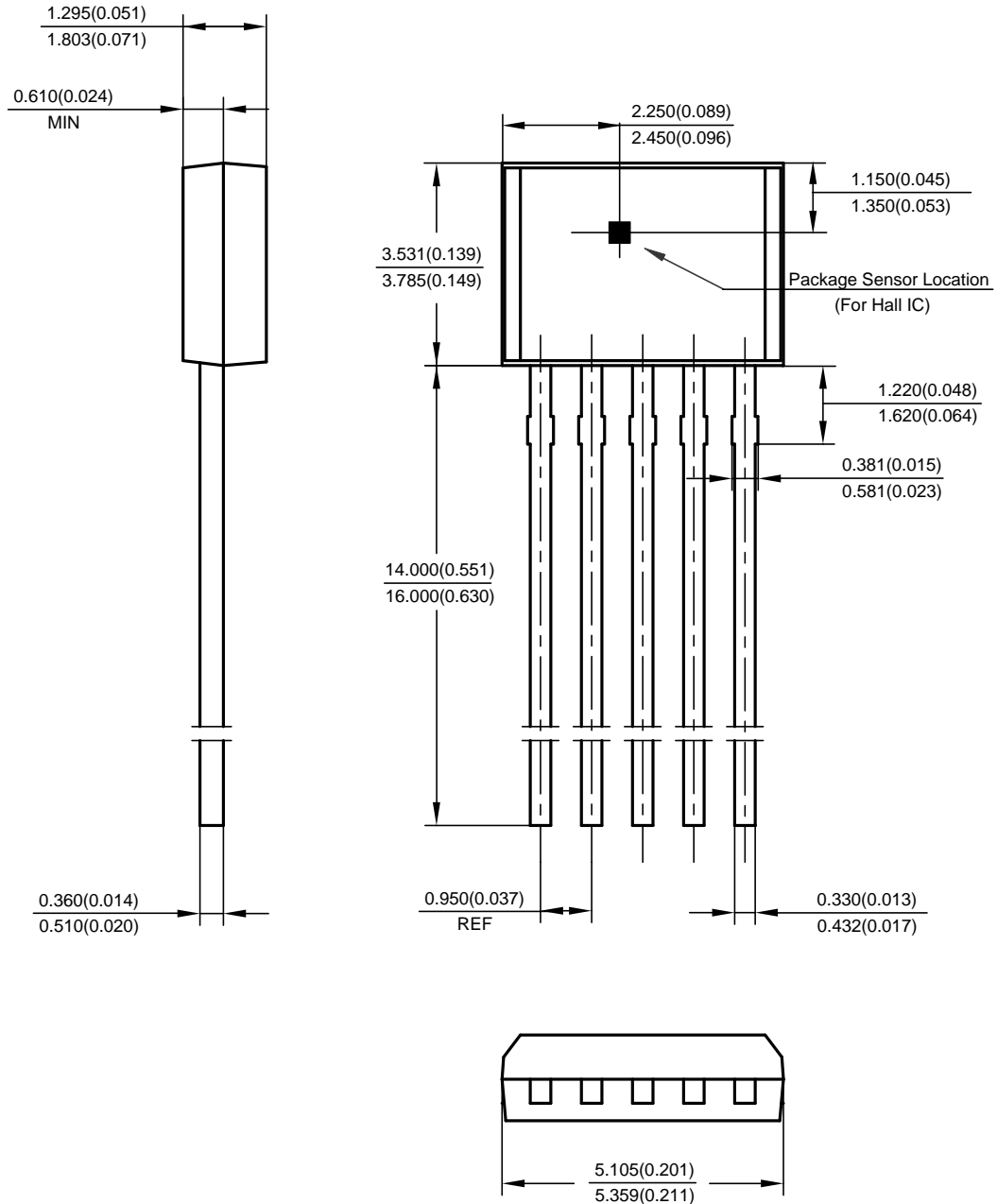


Packaging Information

Mechanical Dimensions

TO-95(for AH9281/9282 only)

Unit: mm(inch)



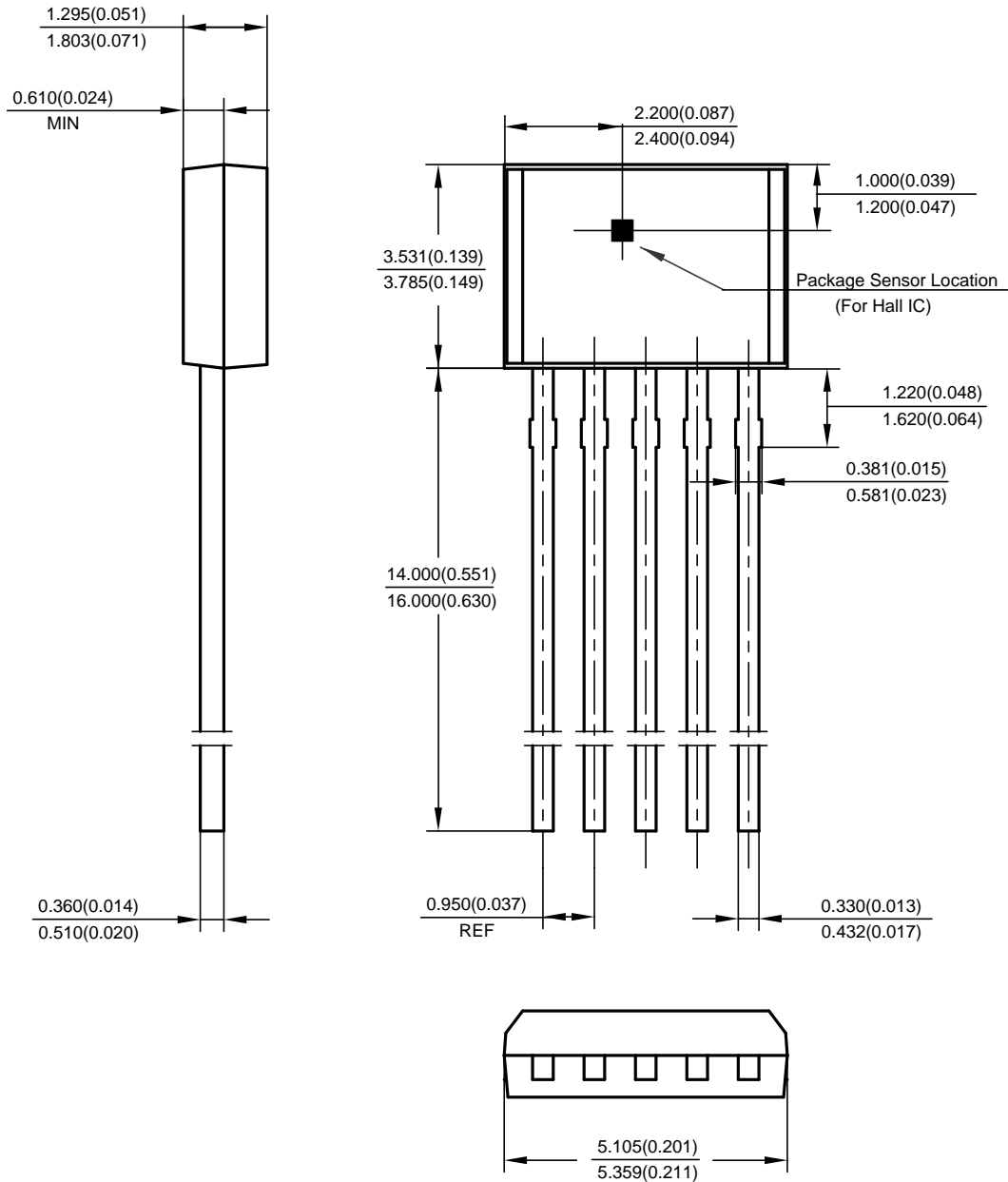


Packaging Information

Mechanical Dimensions

TO-95(for AH9480/9481only)

Unit: mm(inch)



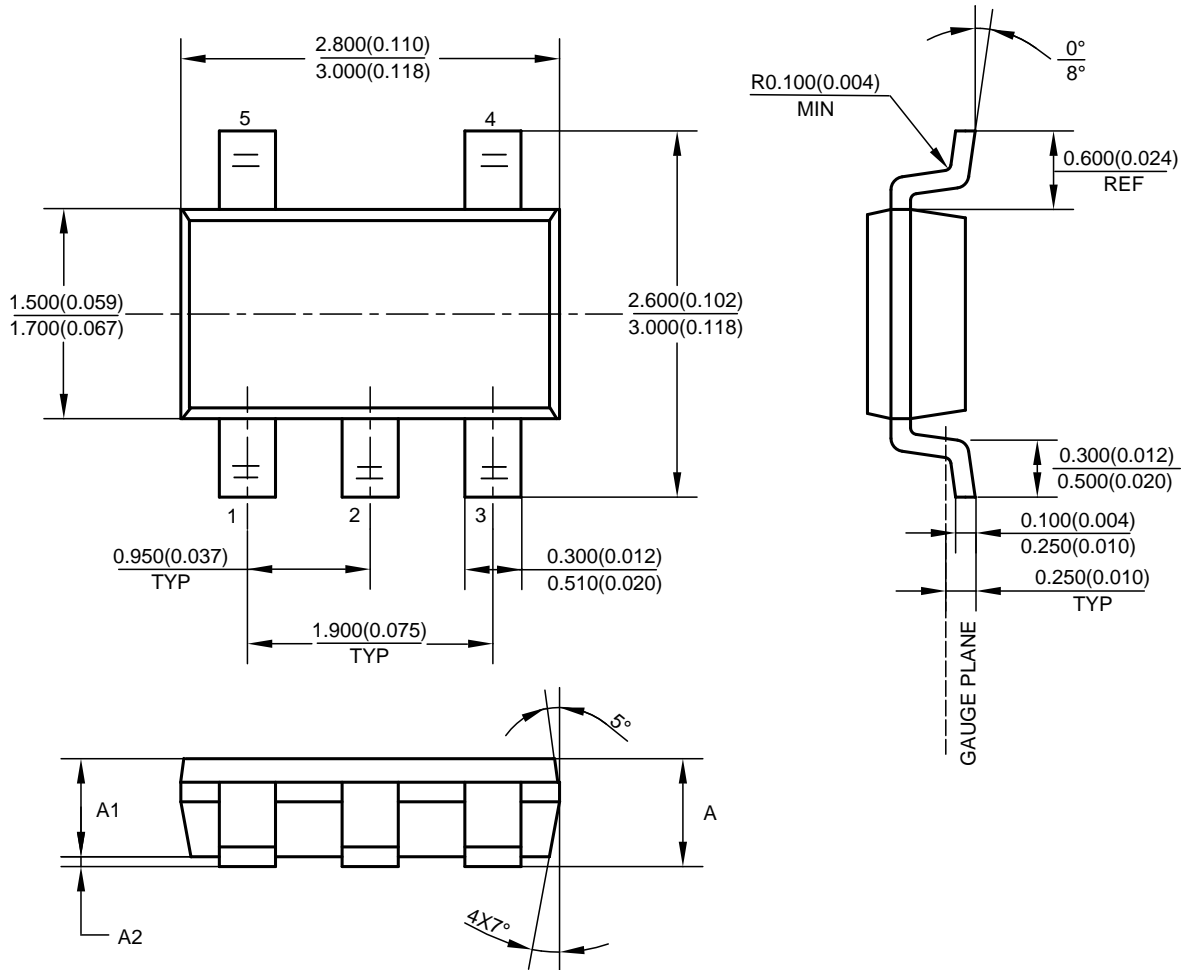


Packaging Information

Mechanical Dimensions

TSOT-23-5 New Product Changed to TSOT25 (2013.10)

Unit: mm(inch)



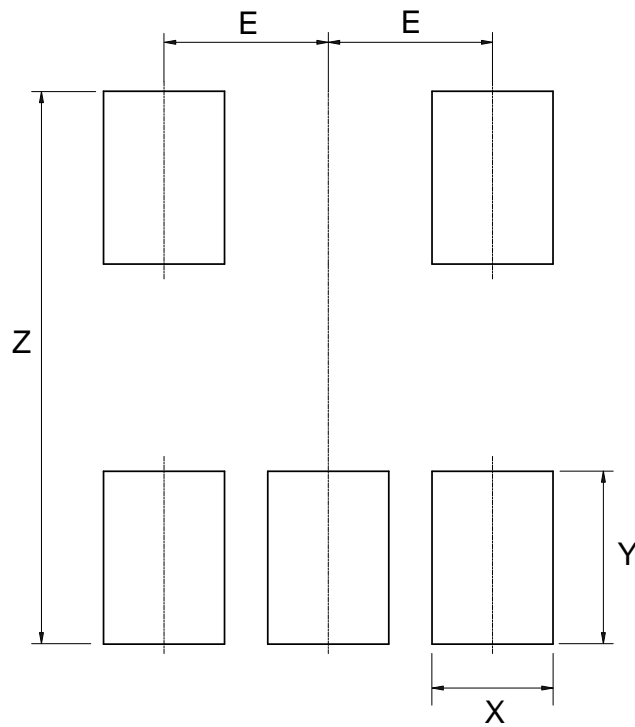
Symbol	A				A1				A2			
	min(mm)	max(mm)	min(inch)	max(inch)	min(mm)	max(mm)	min(inch)	max(inch)	min(mm)	max(mm)	min(inch)	max(inch)
Option1	0.700	0.900	0.028	0.035	0.700	0.800	0.028	0.031	0.000	0.100	0.000	0.004
Option2	-	1.000	-	0.039	0.840	0.900	0.033	0.035	0.010	0.100	0.000	0.004



Packaging Information

Mounting Pad Layout

TSOT-23-5



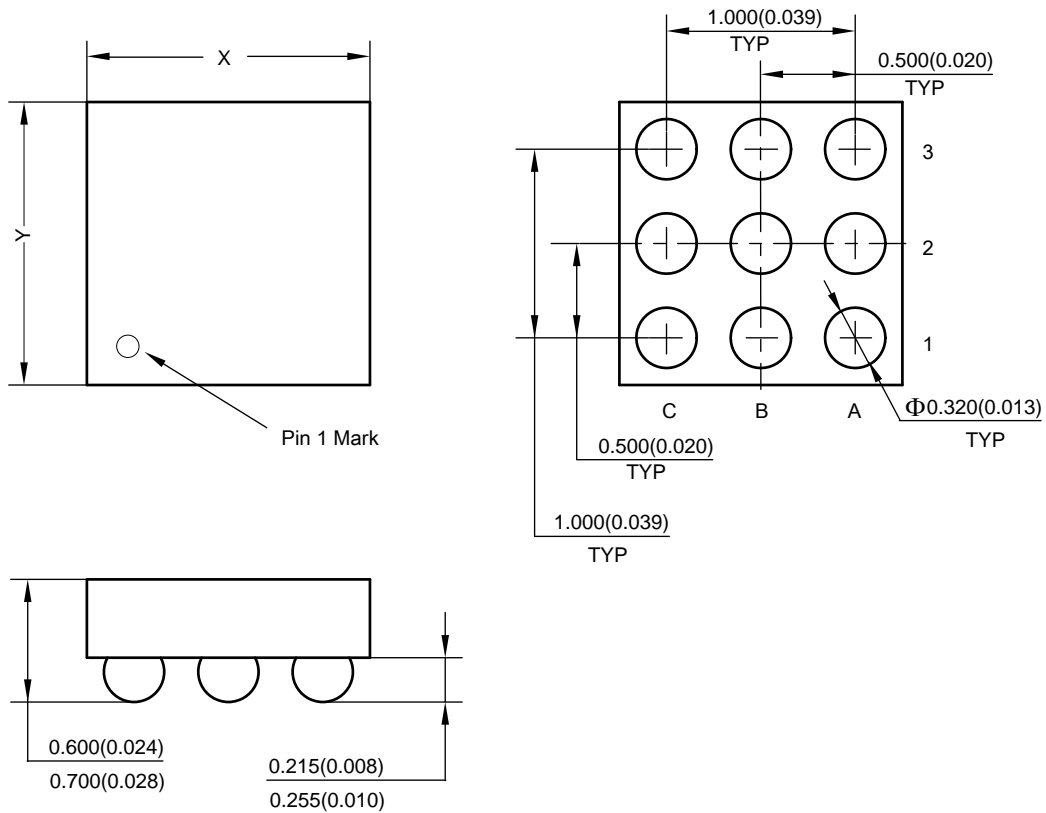
Dimensions	E (mm)/(inch)	X (mm)/(inch)	Y (mm)/(inch)	Z (mm)/(inch)
Value	0.950/0.037	0.700/0.028	1.000/0.039	3.199/0.126

Packaging Information

Mechanical Dimensions

CSP-9 (For web)

Unit: mm(inch)



Note: X & Y: To determine the exact package size of a particular device, refer to the device datasheet.

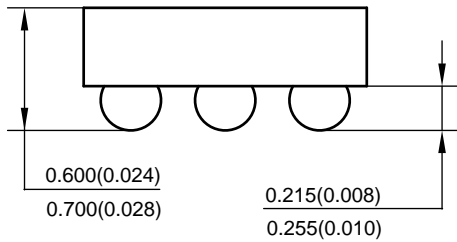
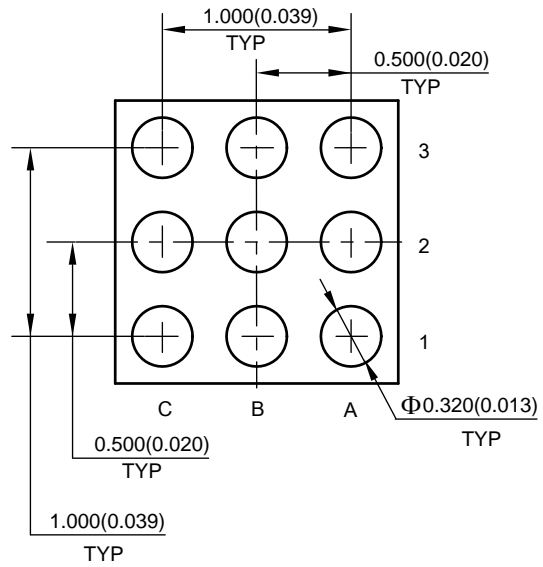
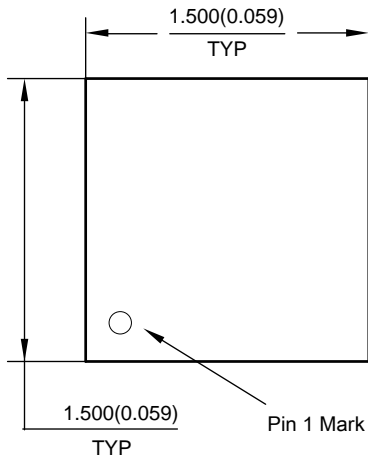


Packaging Information

Mechanical Dimensions

CSP-9

Unit: mm(inch)



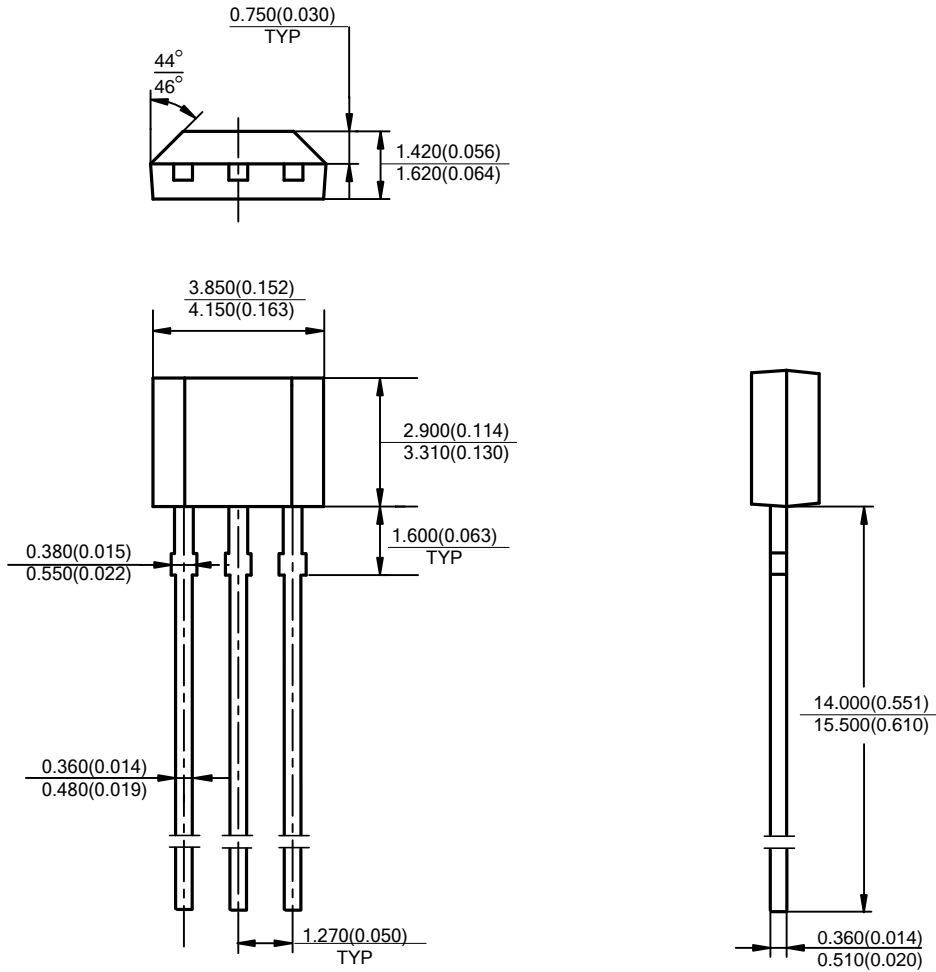


Packaging Information

Mechanical Dimensions

TO-92S-3

Unit: mm(inch)

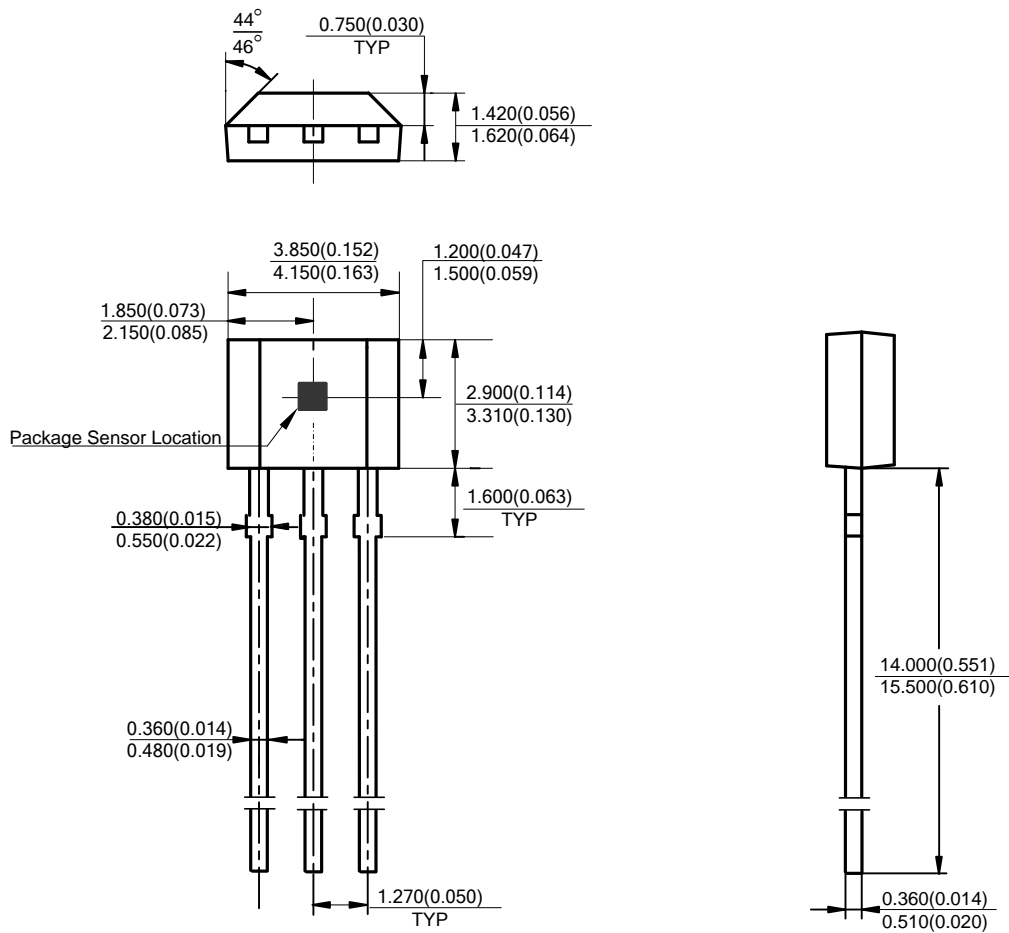




Packaging Information

Mechanical Dimensions

TO-92S-3 (Only for AH920/AH922/AH922B/AH922C) Unit: mm(inch)



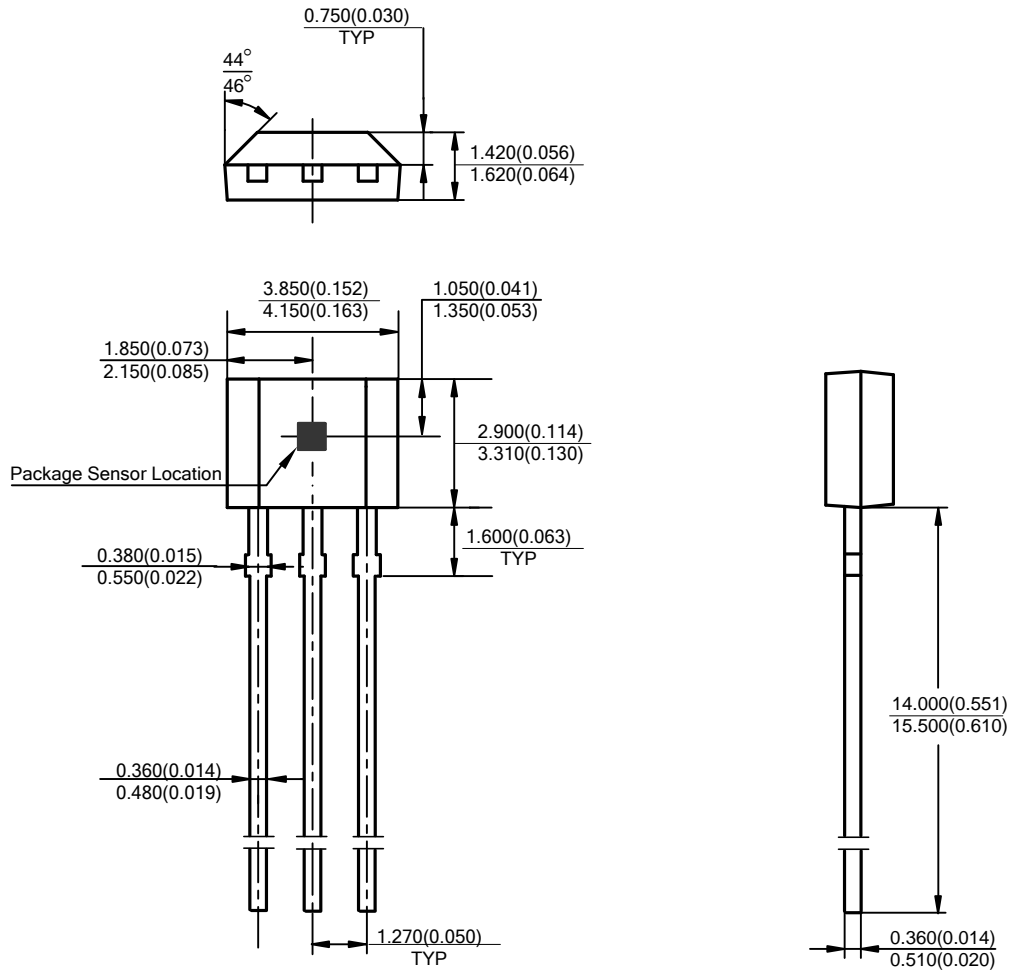


Packaging Information

Mechanical Dimensions

TO-92S-3(Only for AH9248 and AH9249)

Unit: mm(inch)



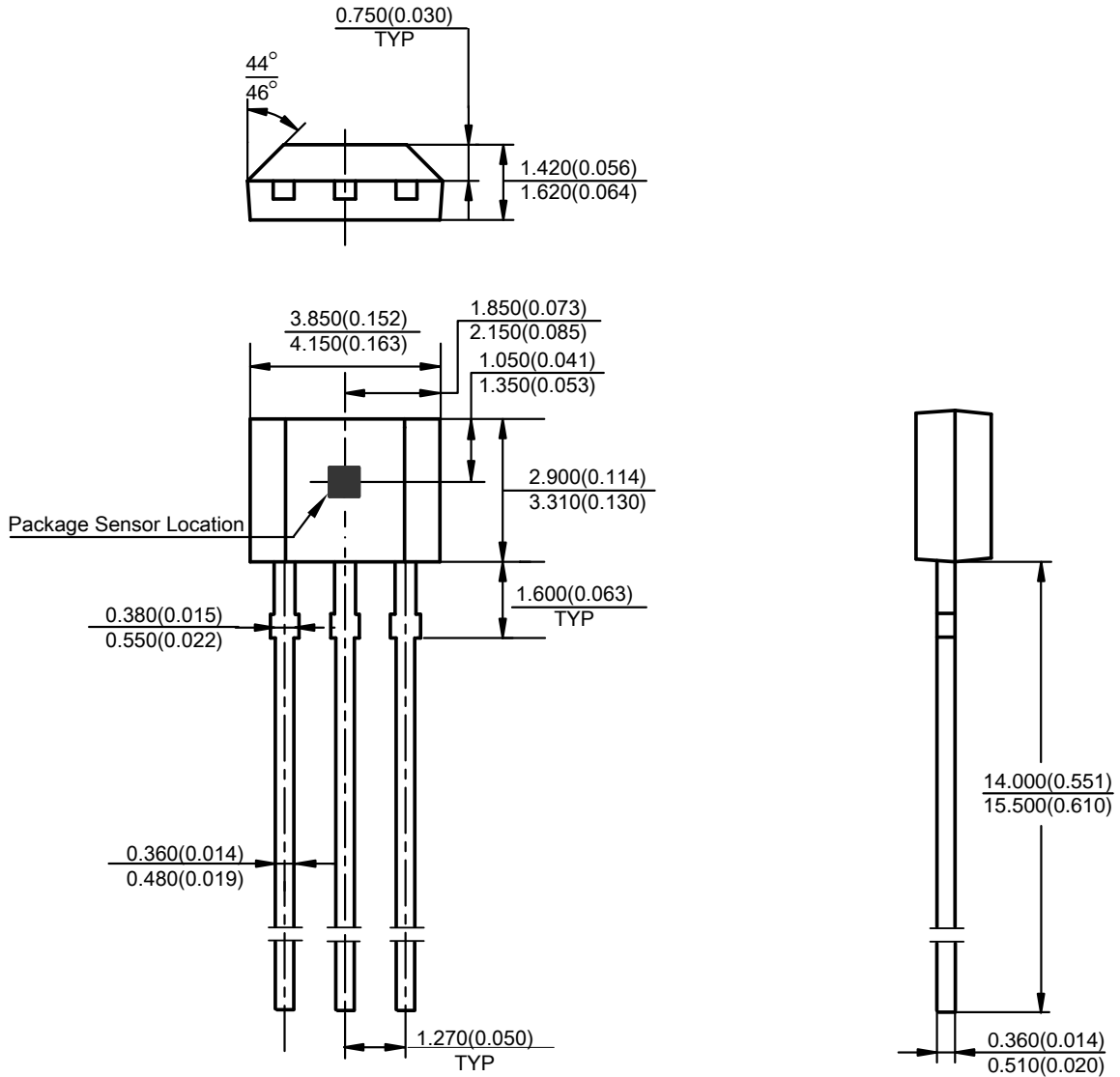


Packaging Information

Mechanical Dimensions

TO-92S-3(Only for AH9247)

Unit: mm(inch)



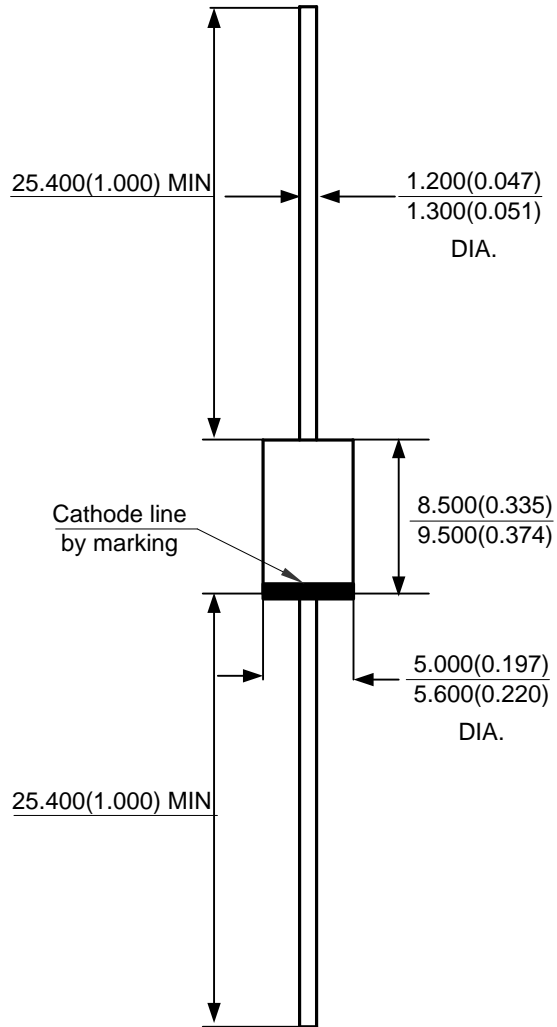


Packaging Information

Mechanical Dimensions

DO-27

Unit: mm(inch)



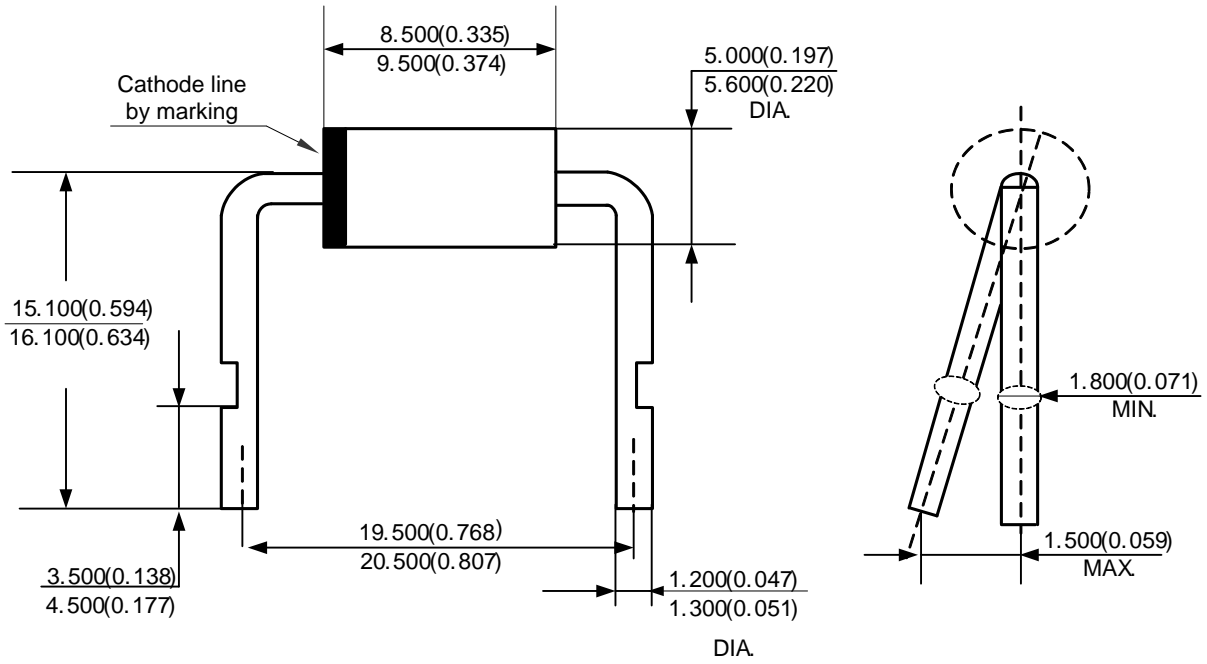


Packaging Information

Mechanical Dimensions

DO-27 (A)

Unit: mm(inch)



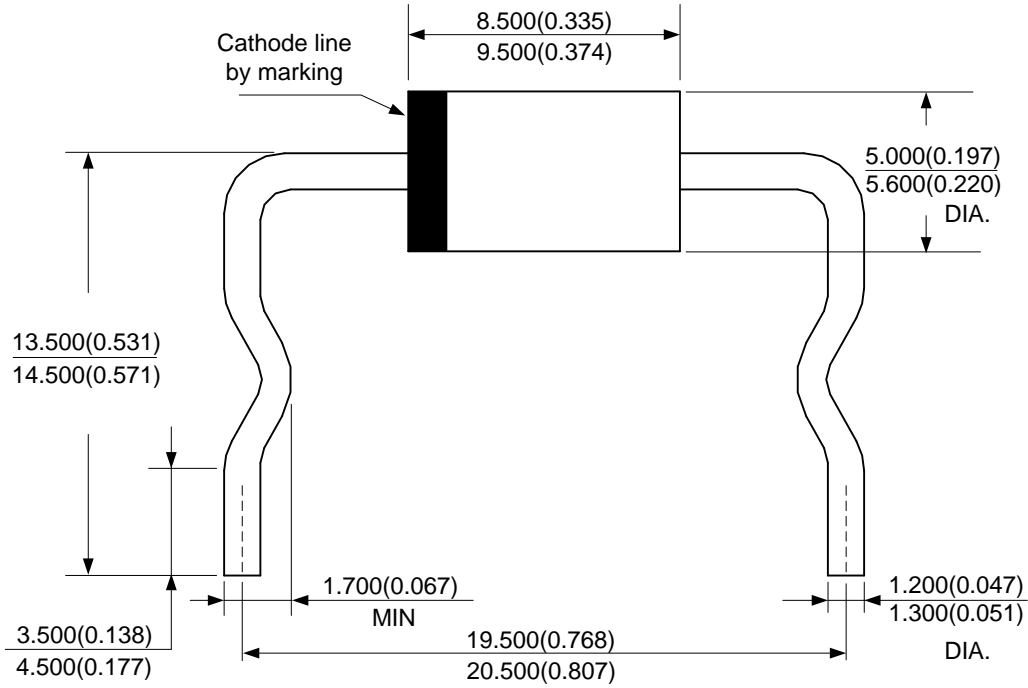


Packaging Information

Mechanical Dimensions

DO-27 (B)

Unit: mm(inch)



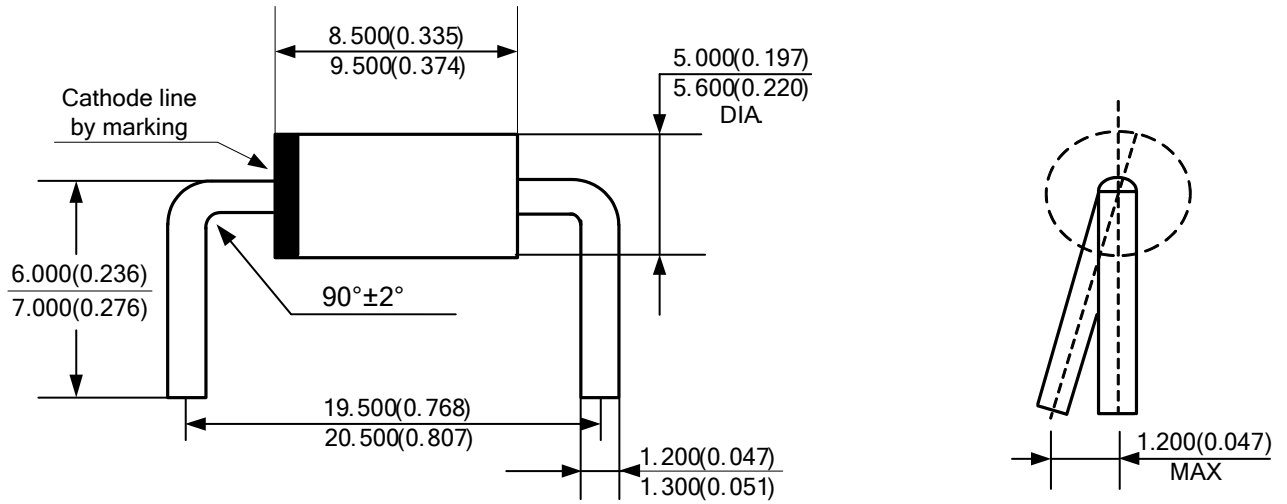


Packaging Information

Mechanical Dimensions

DO-27 (C)

Unit: mm(inch)



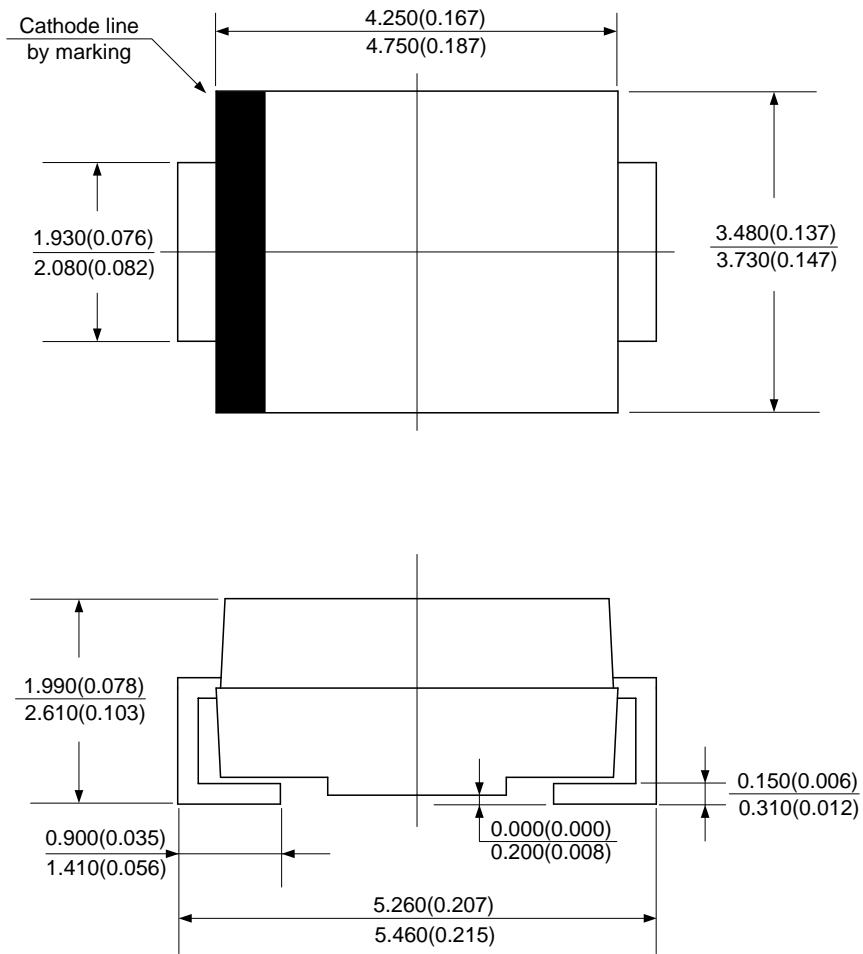


Packaging Information

Mechanical Dimensions

DO-214AA
New Product Changed to SMB (2013.10)

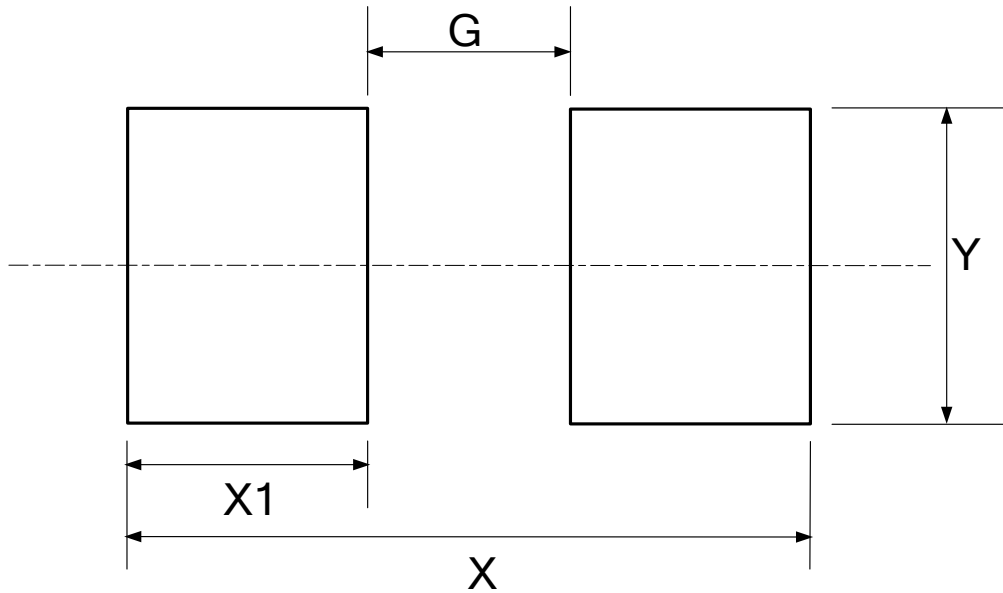
Unit: mm(inch)



Packaging Information

Mounting Pad Layout

DO-214AA



Dimensions	Y (mm)/(inch)	X1 (mm)/(inch)	G (mm)/(inch)	X (mm)/(inch)
Value	2.720/0.107	2.072/0.082	1.760/0.069	5.904/0.232

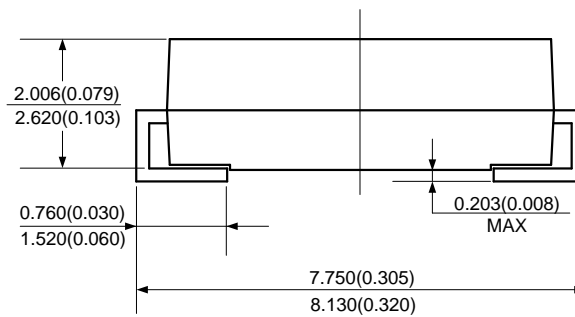
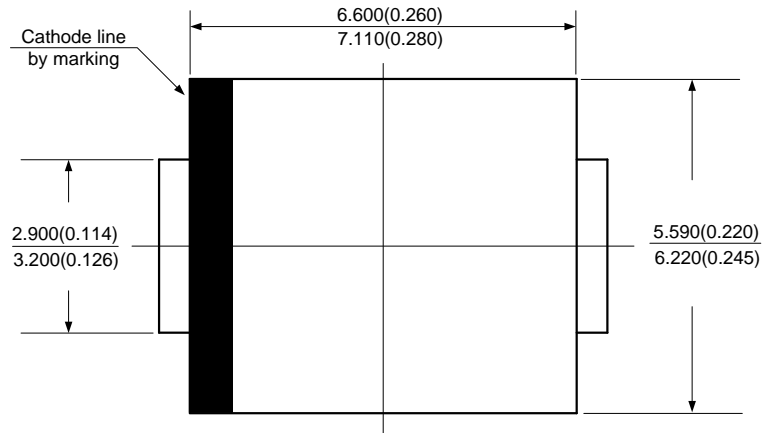


Packaging Information

Mechanical Dimensions

DO-214AB New Product Changed to SMC (2013.10)

Unit: mm(inch)



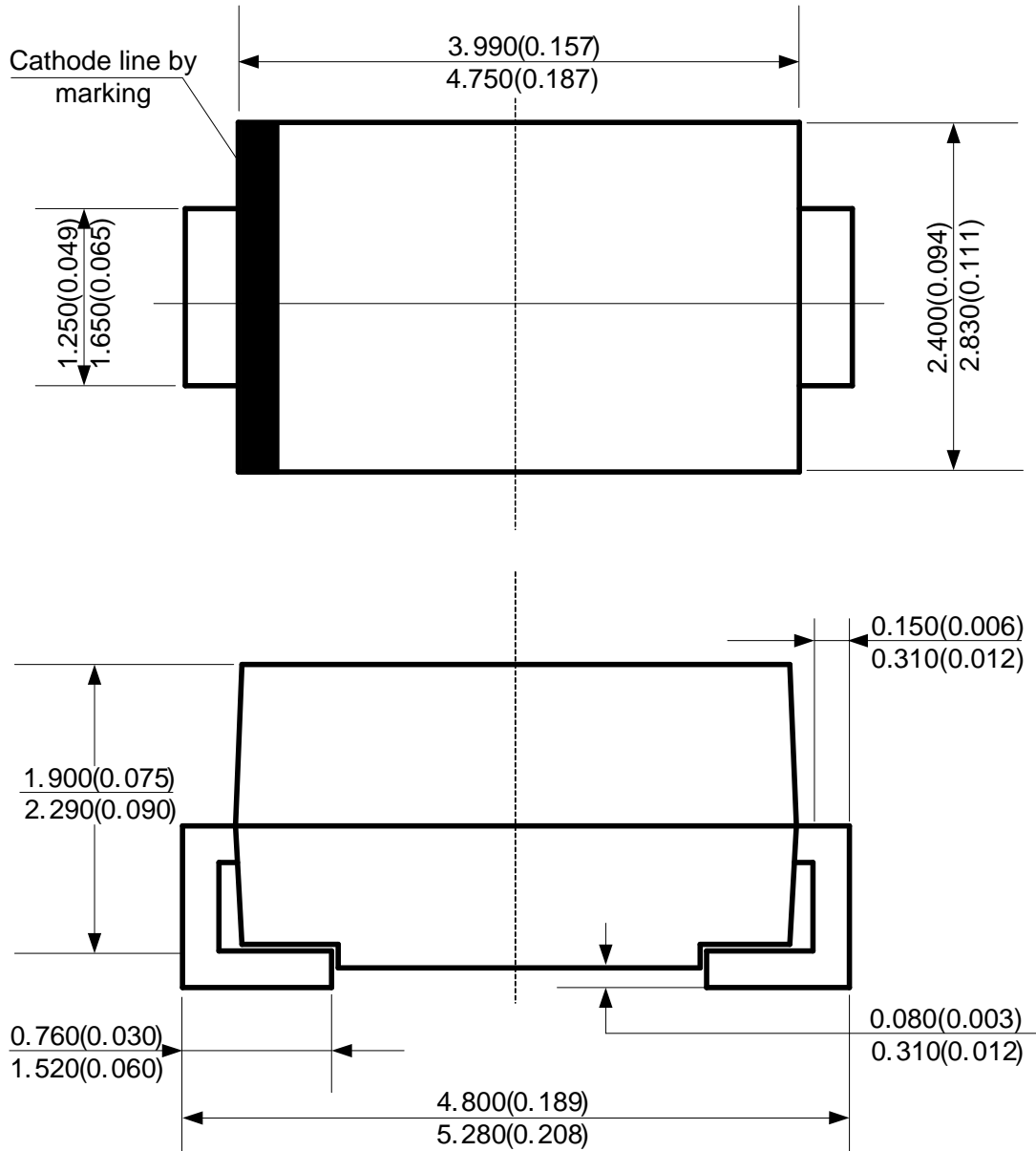


Packaging Information

Mechanical Dimensions

DO-214AC
New Product Changed to SMA (2013.10)

Unit: mm(inch)

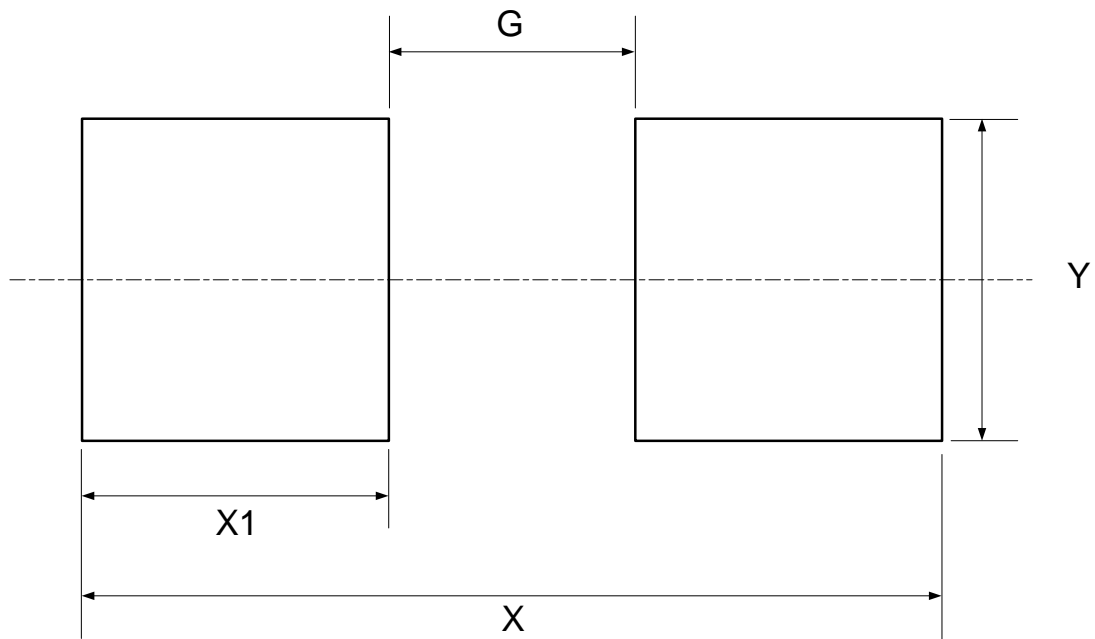




Packaging Information

Mounting Pad Layout

DO-214AC



Dimensions	Y (mm)/(inch)	X1 (mm)/(inch)	G (mm)/(inch)	X (mm)/(inch)
Value	2.100/0.083	2.000/0.079	1.600/0.063	5.600/0.220



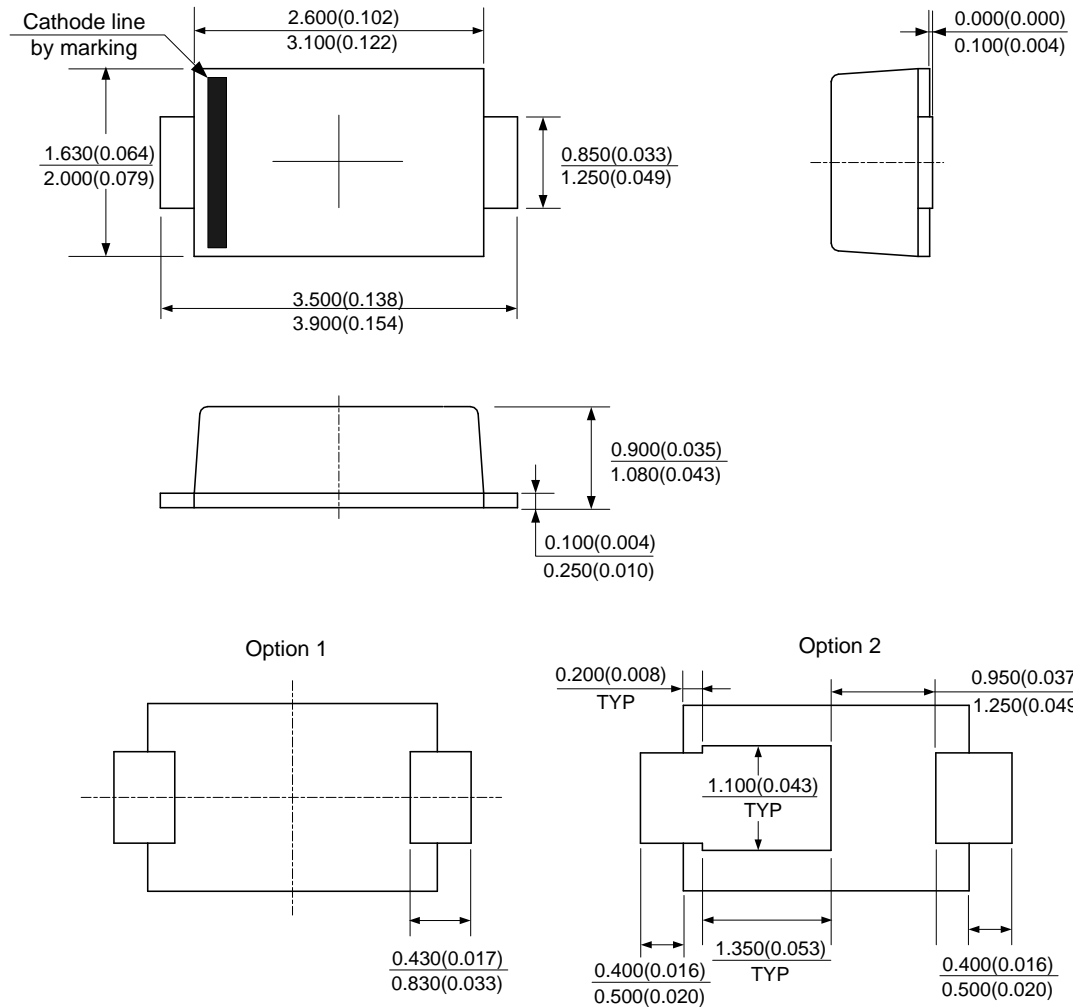
Packaging Information

Mechanical Dimensions

SOD-123

Unit: mm(inch)

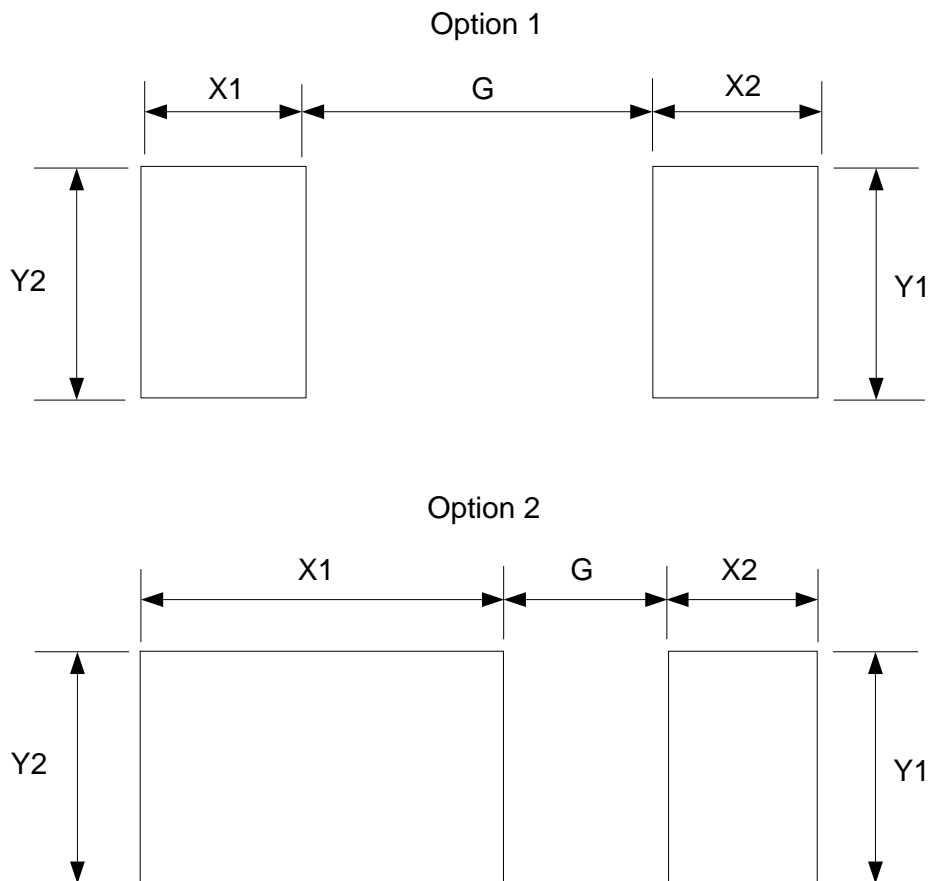
New Product Changed to SOD123 (2013.10)



Packaging Information

Mounting Pad Layout

SOD-123



Dimensions	G (mm)/(inch)	X1 (mm)/(inch)	X2 (mm)/(inch)	Y1 (mm)/(inch)	Y2 (mm)/(inch)
Option1	2.100/0.083	1.000/0.039	1.000/0.039	1.400/0.055	1.400/0.055
Option2	1.000/0.039	2.200/0.087	0.900/0.035	1.400/0.055	1.400/0.055

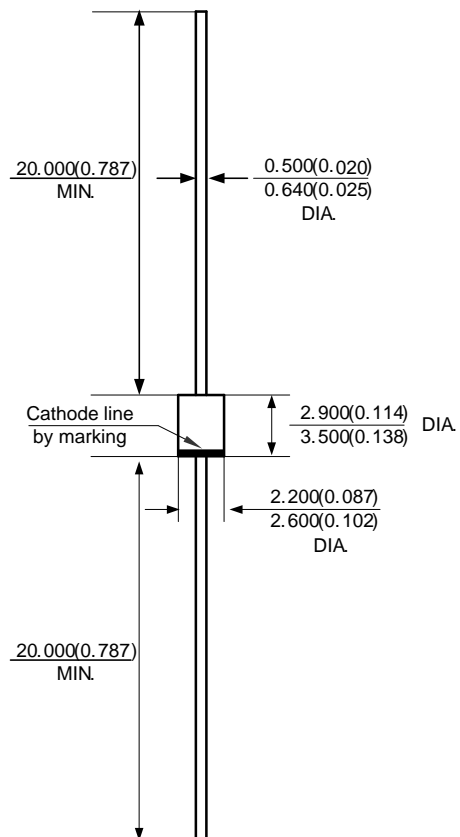


Packaging Information

Mechanical Dimensions

R-1

Unit: mm(inch)



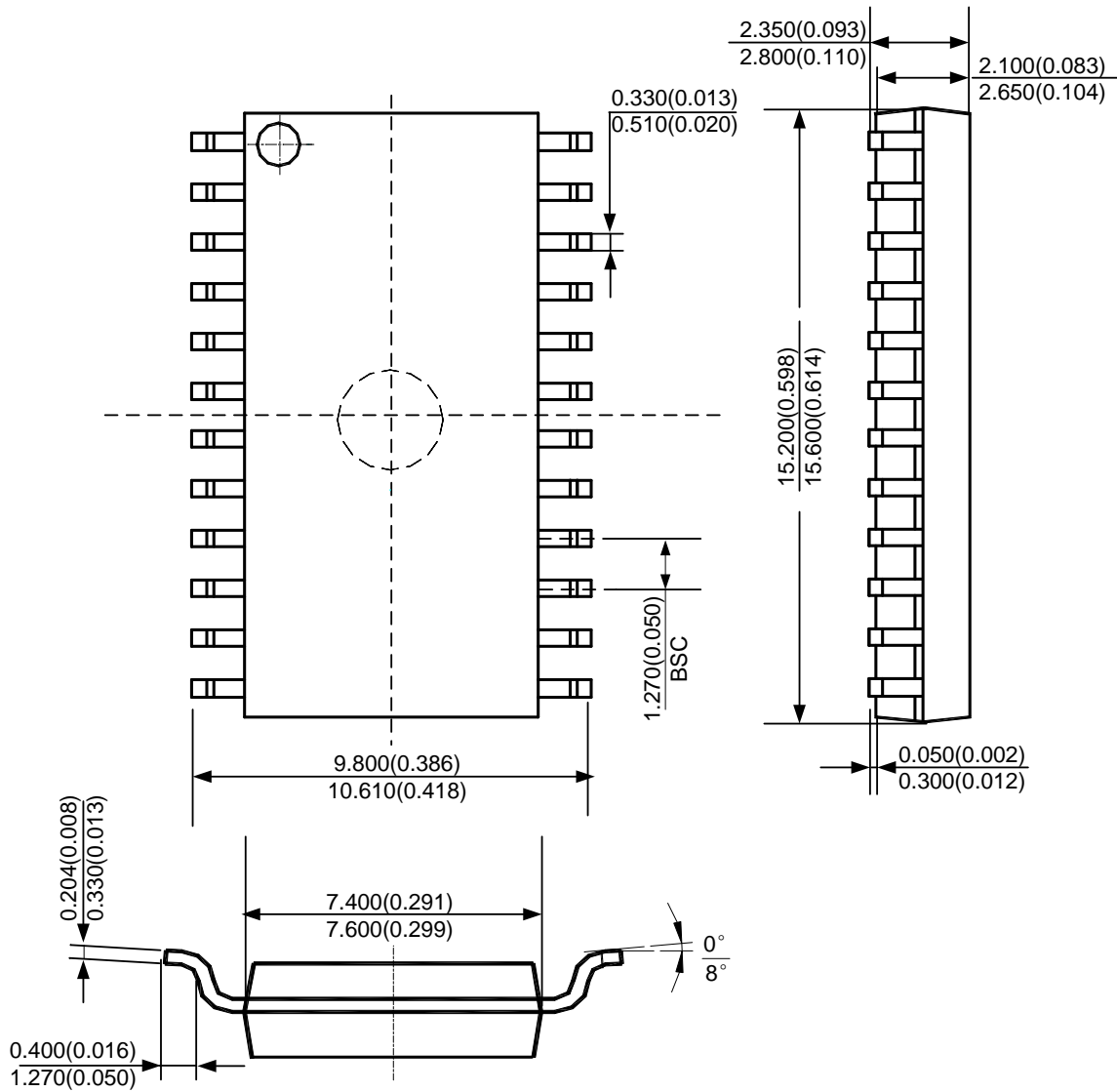


Packaging Information

Mechanical Dimensions

SOIC-24
New Product Changed to SO-24 (2013.10)

Unit: mm(inch)

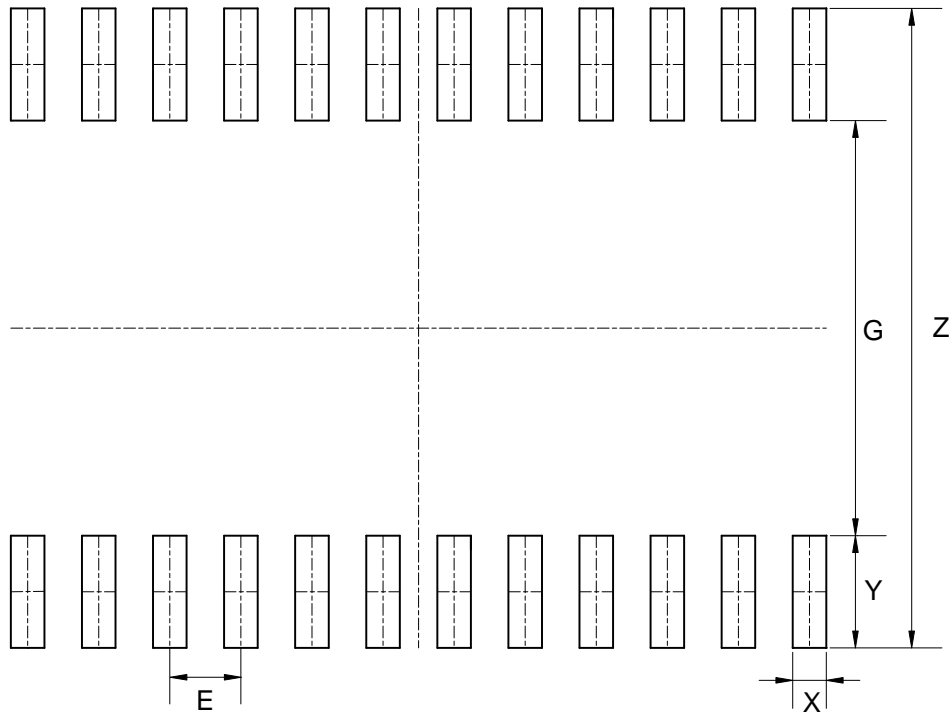


Note: Eject hole, oriented hole and mold mark is optional.

Packaging Information

Mounting Pad Layout

SOIC-24



Dimensions	Z (mm)/(inch)	G (mm)/(inch)	X (mm)/(inch)	Y (mm)/(inch)	E (mm)/(inch)
Value	11.400/0.449	7.400/0.291	0.600/0.024	2.000/0.079	1.270/0.050

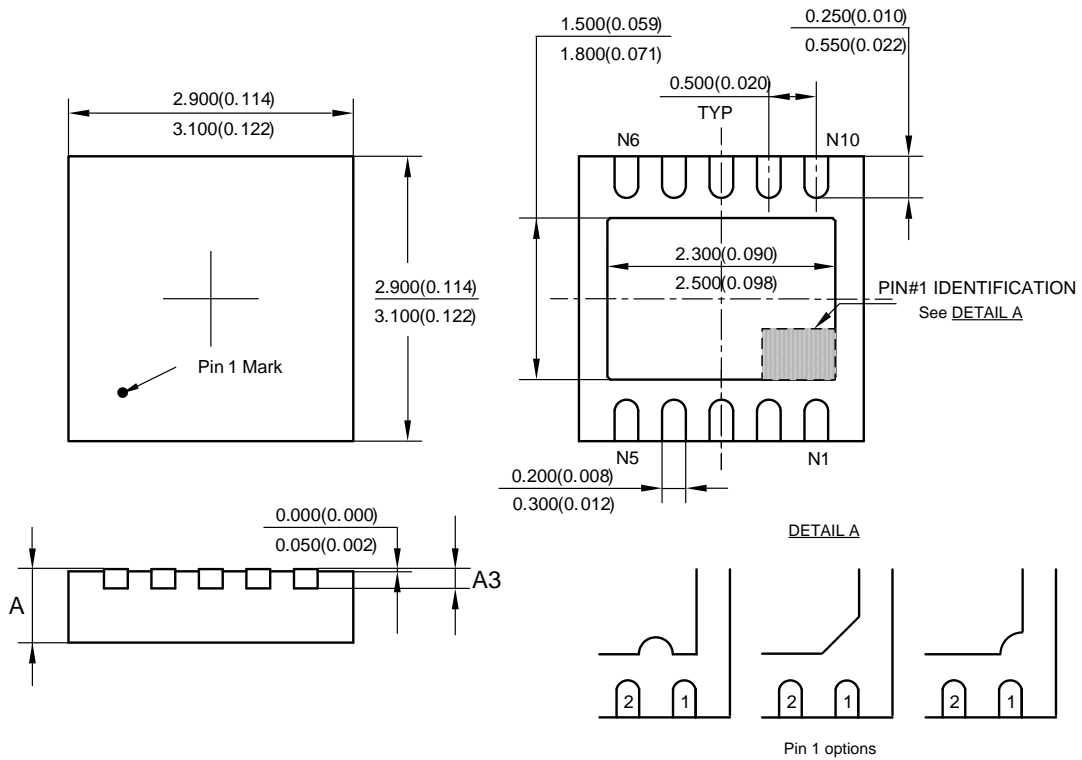


Packaging Information

Mechanical Dimensions

DFN-3X3-10

Unit: mm(inch)

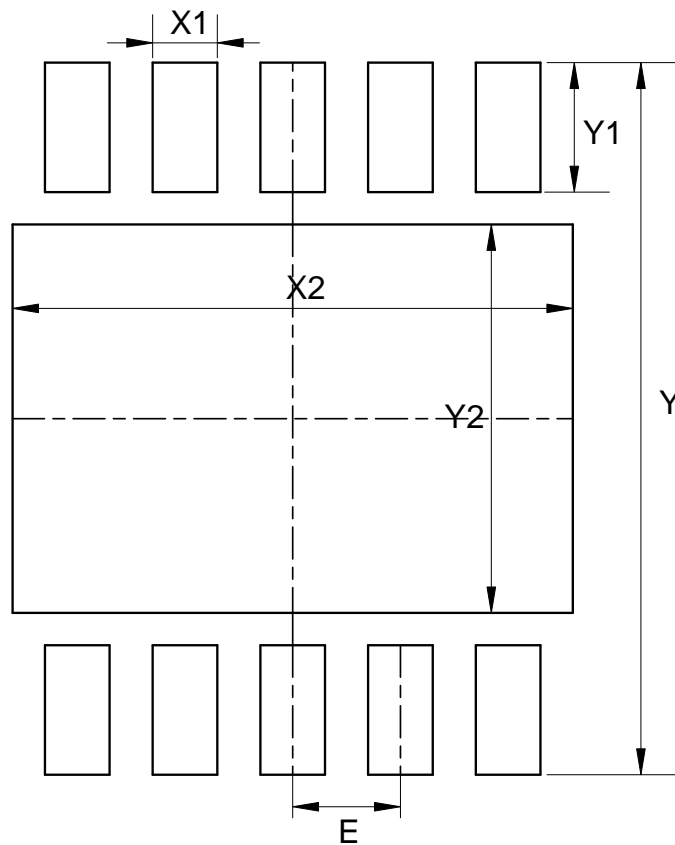


Symbol	A				A3			
	min(mm)	max(mm)	min(inch)	max(inch)	min(mm)	max(mm)	min(inch)	max(inch)
Option 1	0.700	0.800	0.028	0.031	0.153	0.253	0.006	0.010
Option 2	0.570	0.630	0.022	0.025	0.150 (Typ)		0.006 (Typ)	

Packaging Information

Mounting Pad Layout

DFN-3X3-10



Dimensions	Y (mm)/(inch)	X1 (mm)/(inch)	Y1 (mm)/(inch)	X2 (mm)/(inch)	Y2 (mm)/(inch)	E (mm)/(inch)
Value	3.300/0.130	0.300/0.012	0.600/0.024	2.600/0.102	1.800/0.071	0.500/0.020

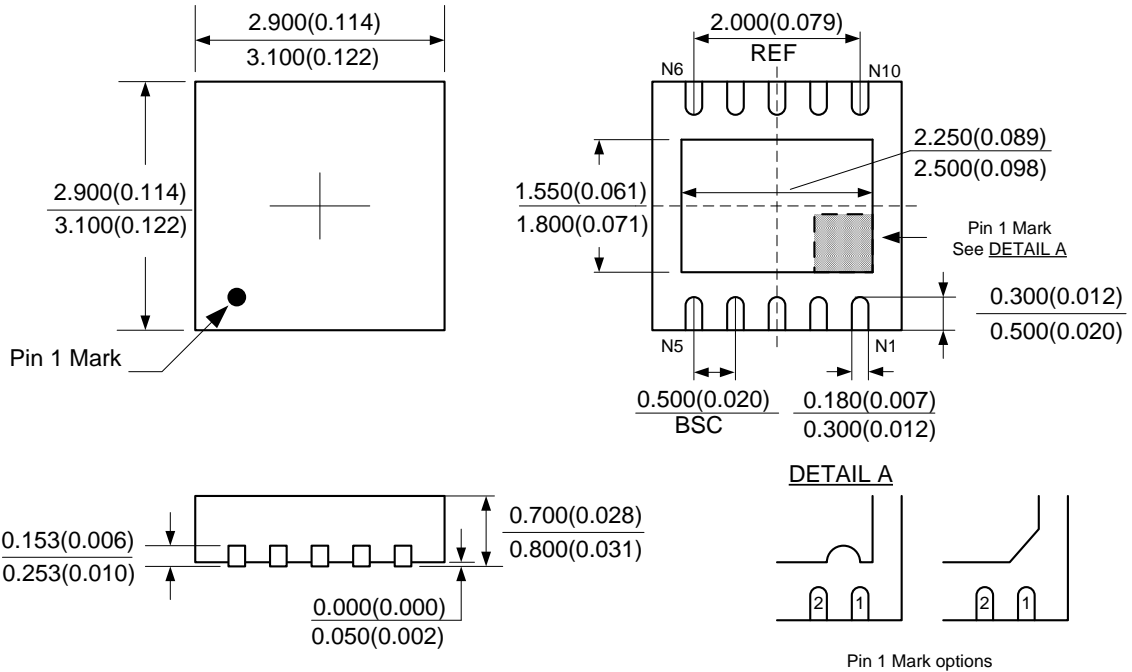


Packaging Information

Mechanical Dimensions

WDFN-3X3-10

Unit: mm(inch)

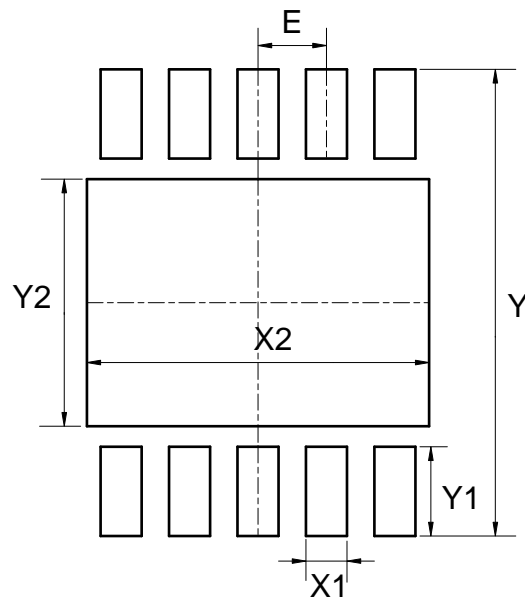




Packaging Information

Mounting Pad Layout

WDFN-3x3-10



Dimensions	Y (mm)/(inch)	X1 (mm)/(inch)	Y1 (mm)/(inch)	X2 (mm)/(inch)	Y2 (mm)/(inch)	E (mm)/(inch)
Value	3.400/0.134	0.300/0.012	0.650/0.026	2.500/0.098	1.800/0.071	0.500/0.020

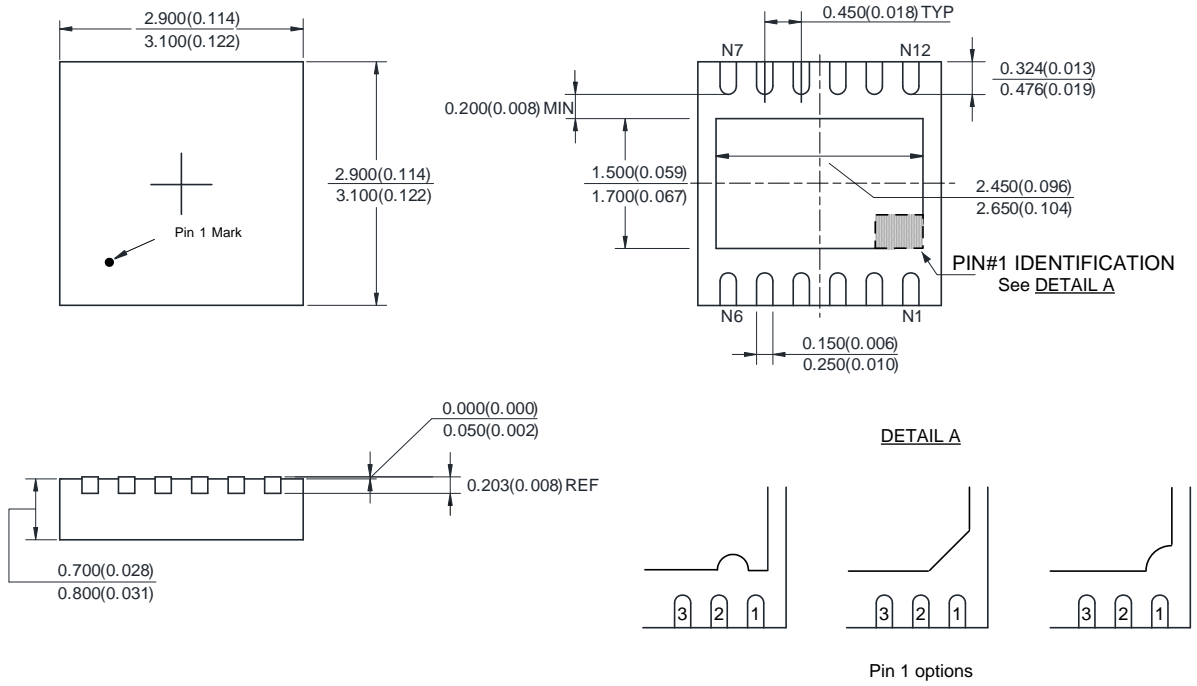


Packaging Information

Mechanical Dimensions

DFN-3X3-12

Unit: mm(inch)



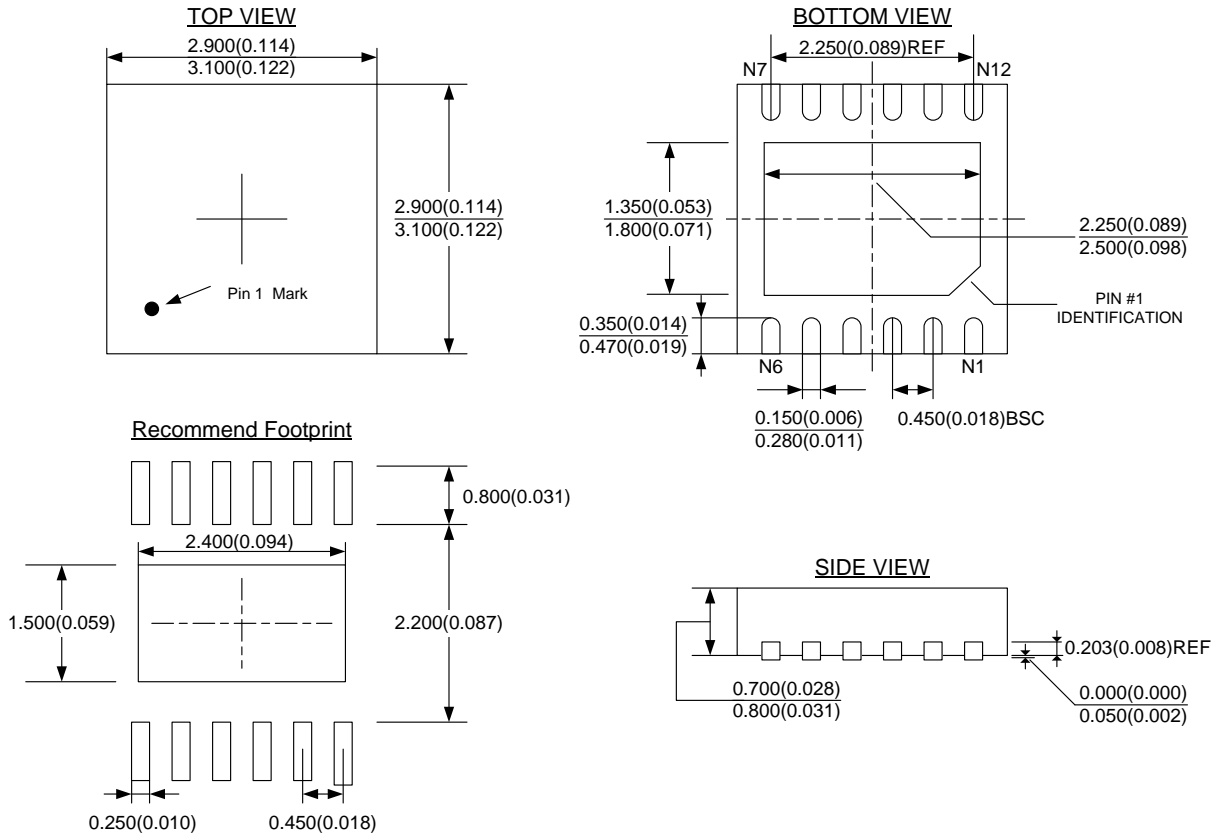


Packaging Information

Mechanical Dimensions

WDFN-3X3-12

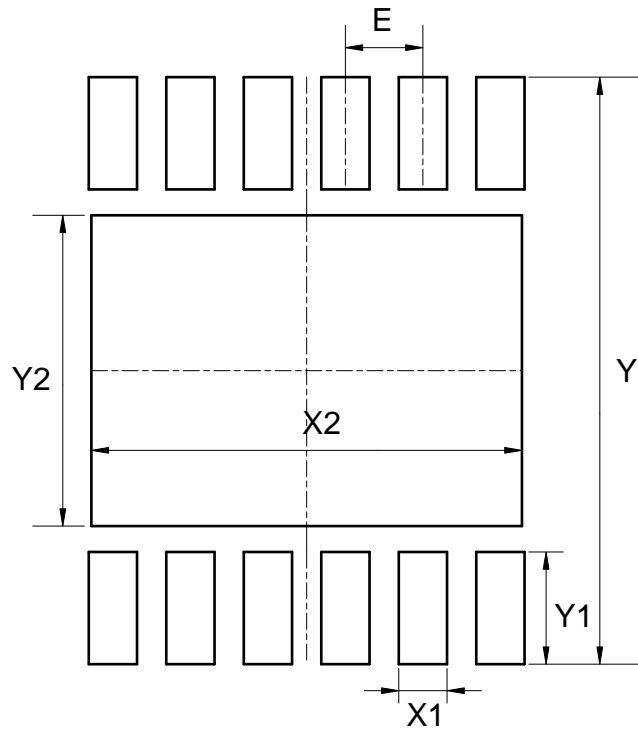
Unit: mm(inch)



Packaging Information

Mounting Pad Layout

WDFN-3x3-12



Dimensions	Y (mm)/(inch)	X1 (mm)/(inch)	Y1 (mm)/(inch)	X2 (mm)/(inch)	Y2 (mm)/(inch)	E (mm)/(inch)
Value	3.400/0.134	0.280/0.011	0.650/0.026	2.500/0.098	1.800/0.071	0.450/0.018

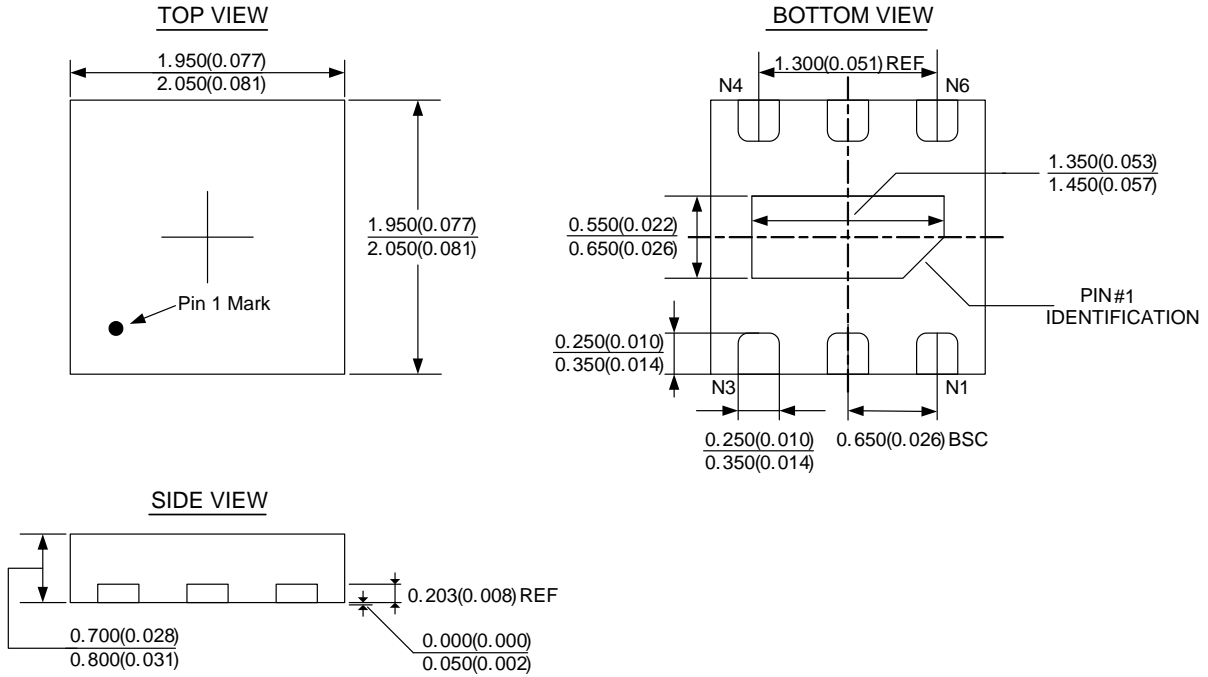


Packaging Information

Mechanical Dimensions

WDFN-2X2-6

Unit: mm(inch)

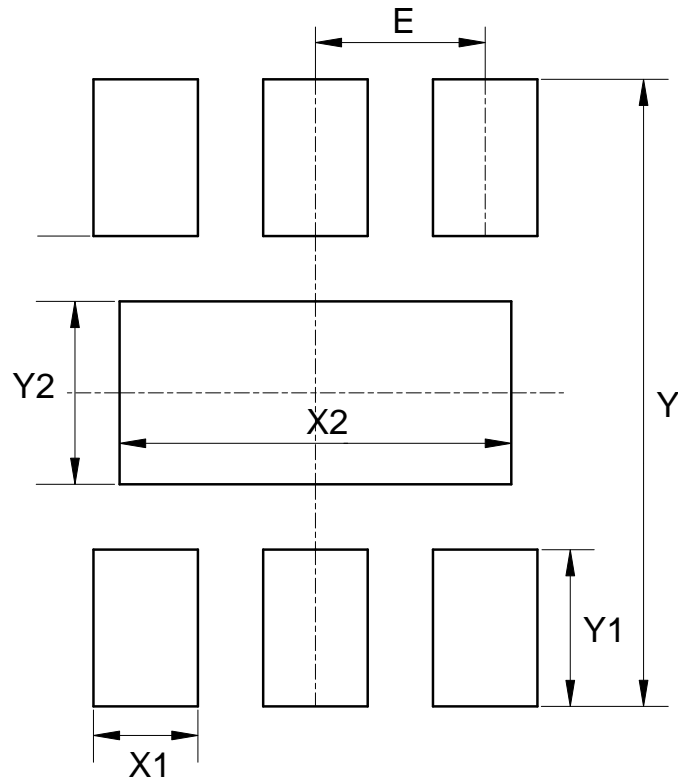




Packaging Information

Mounting Pad Layout

WDFN-2x2-6



Dimensions	Y (mm)/(inch)	X1 (mm)/(inch)	Y1 (mm)/(inch)	X2 (mm)/(inch)	Y2 (mm)/(inch)	E (mm)/(inch)
Value	2.400/0.094	0.400/0.016	0.600/0.024	1.500/0.059	0.700/0.028	0.650/0.026

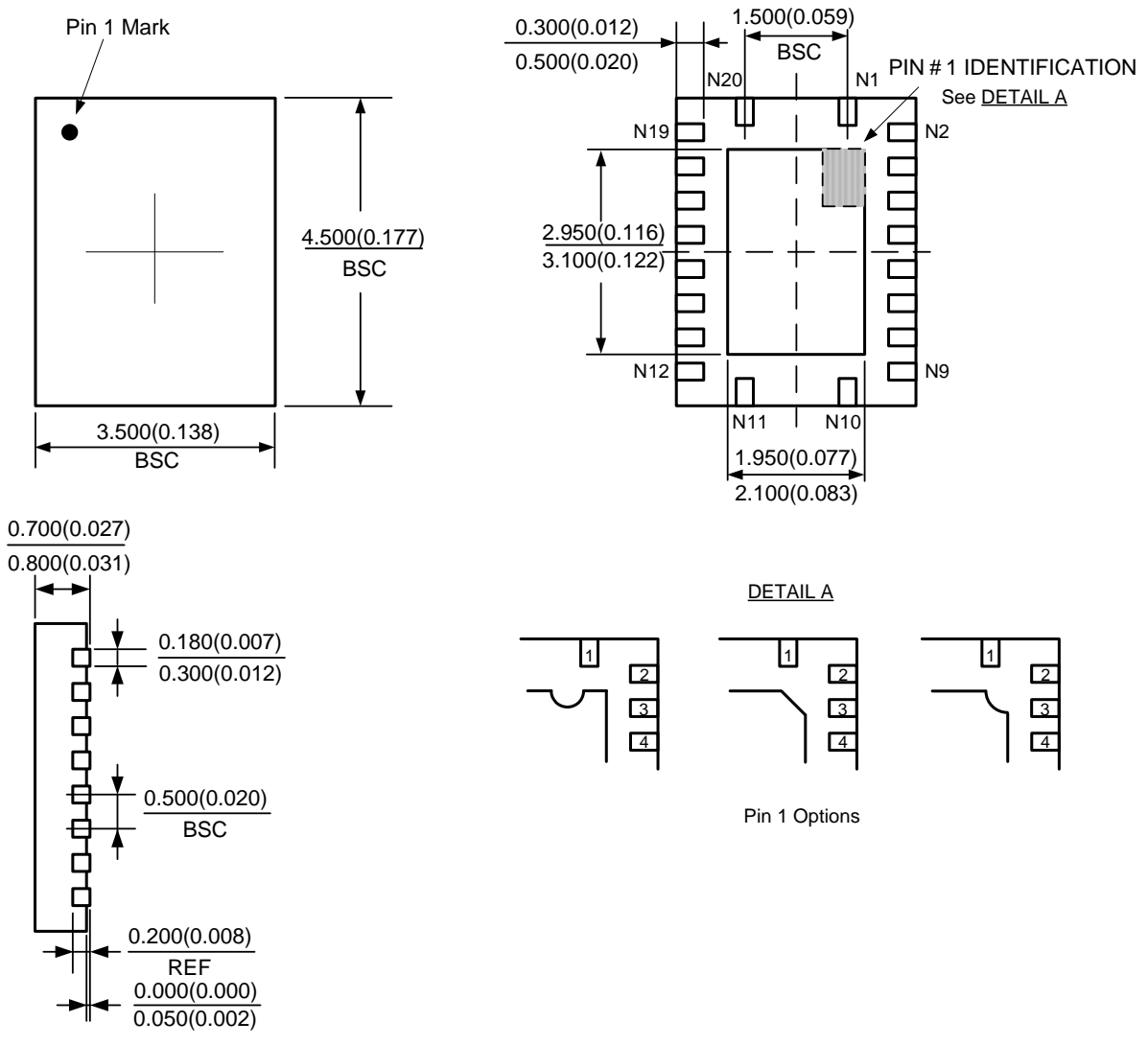


Packaging Information

Mechanical Dimensions

QFN-4.5X3.5-20

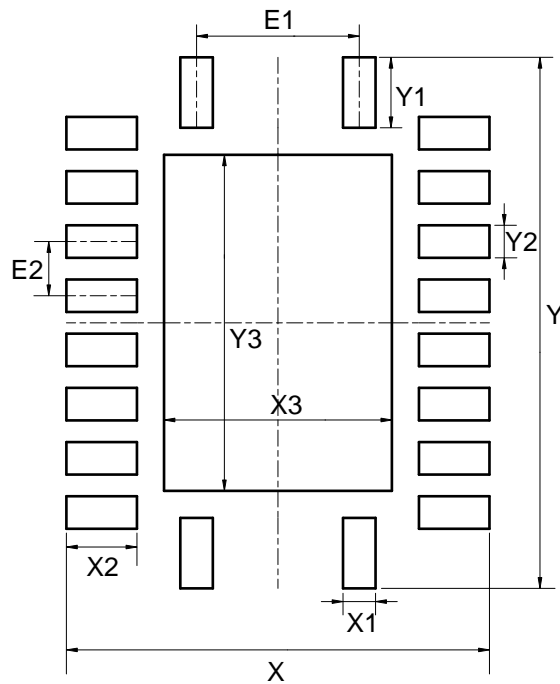
Unit: mm(inch)



Packaging Information

Mounting Pad Layout

QFN-4.5X3.5-20



Dimensions	X (mm)/(inch)	Y (mm)/(inch)	X1=Y2 (mm)/(inch)	Y1=X2 (mm)/(inch)
Value	3.900/0.154	4.900/0.193	0.300/0.012	0.650/0.026
Dimensions	X3 (mm)/(inch)	Y3 (mm)/(inch)	E1 (mm)/(inch)	E2 (mm)/(inch)
Value	2.100/0.083	3.100/0.122	1.500/0.059	0.500/0.020

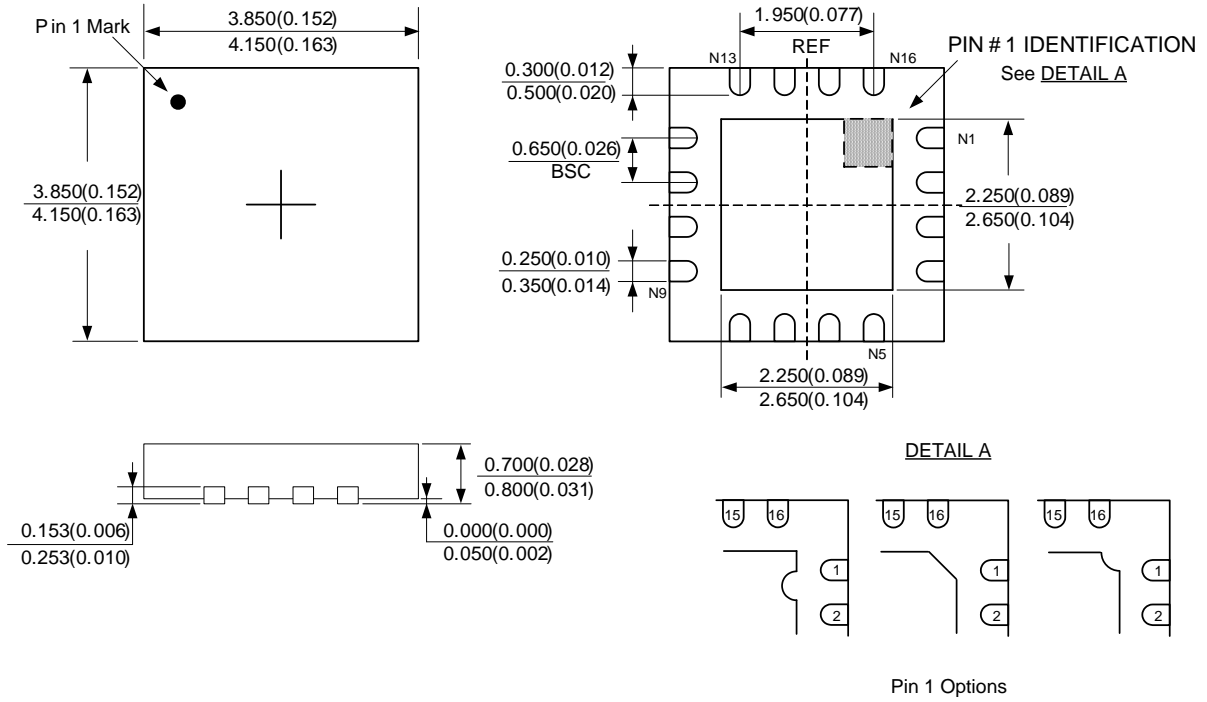


Packaging Information

Mechanical Dimensions

QFN-4X4-16

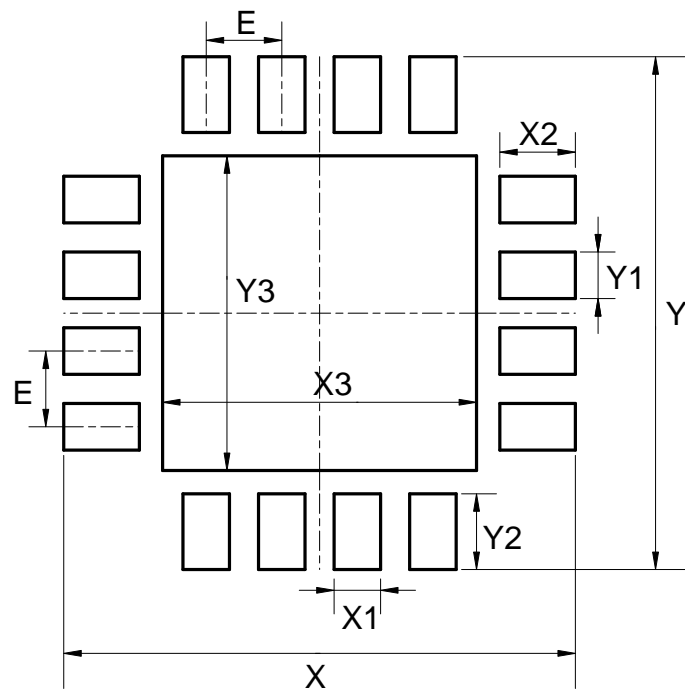
Unit: mm(inch)



Packaging Information

Mounting Pad Layout

QFN-4X4-16



Dimensions	X=Y (mm)/(inch)	X1=Y1 (mm)/(inch)	X2=Y2=E (mm)/(inch)	X3=Y3 (mm)/(inch)
Value	4.400/0.173	0.400/0.016	0.650/0.026	2.700/0.106

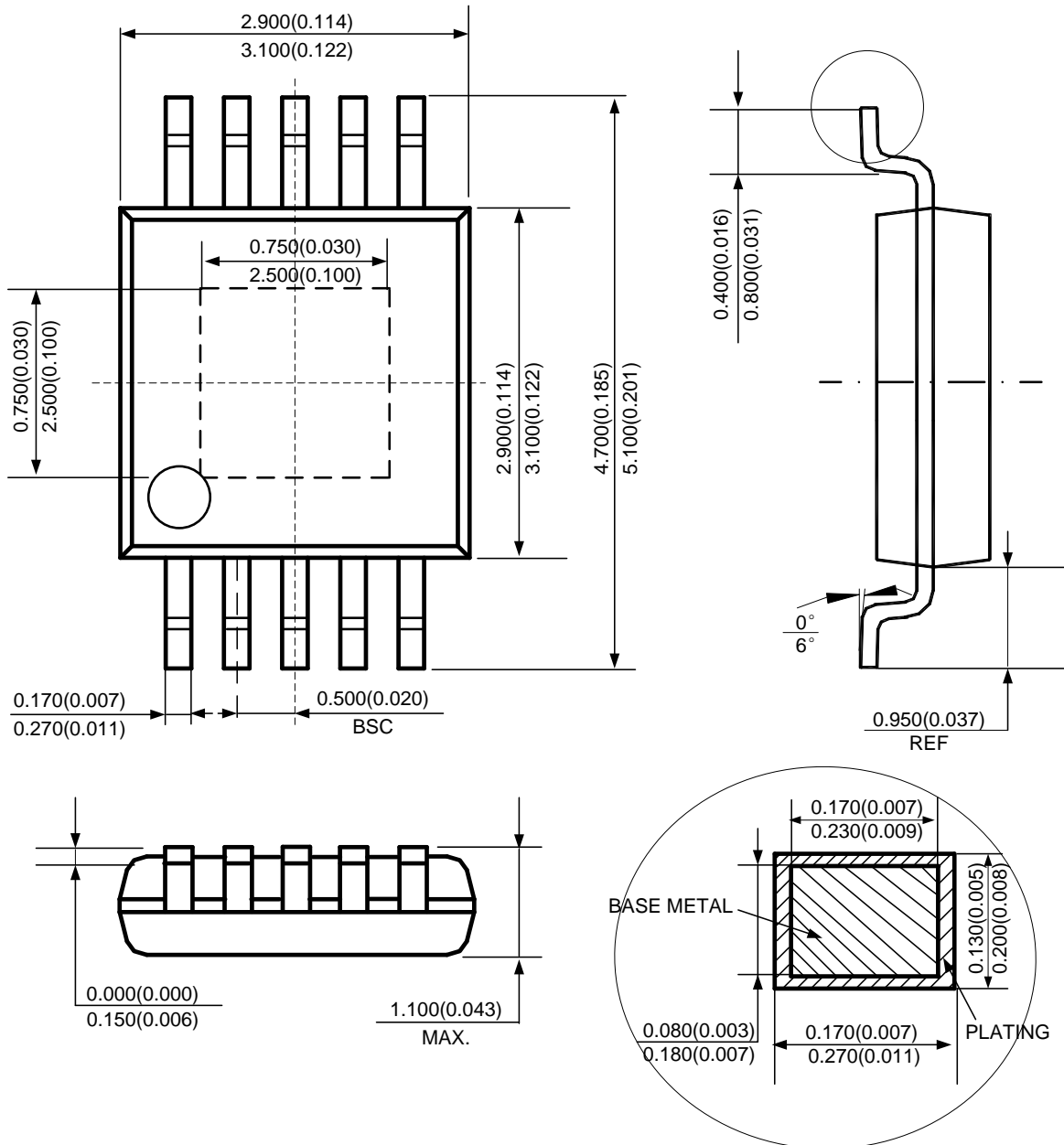


Packaging Information

Mechanical Dimensions

HMSOP-10 New Product Changed to MSOP-10EP (2013.10)

Unit: mm(inch)

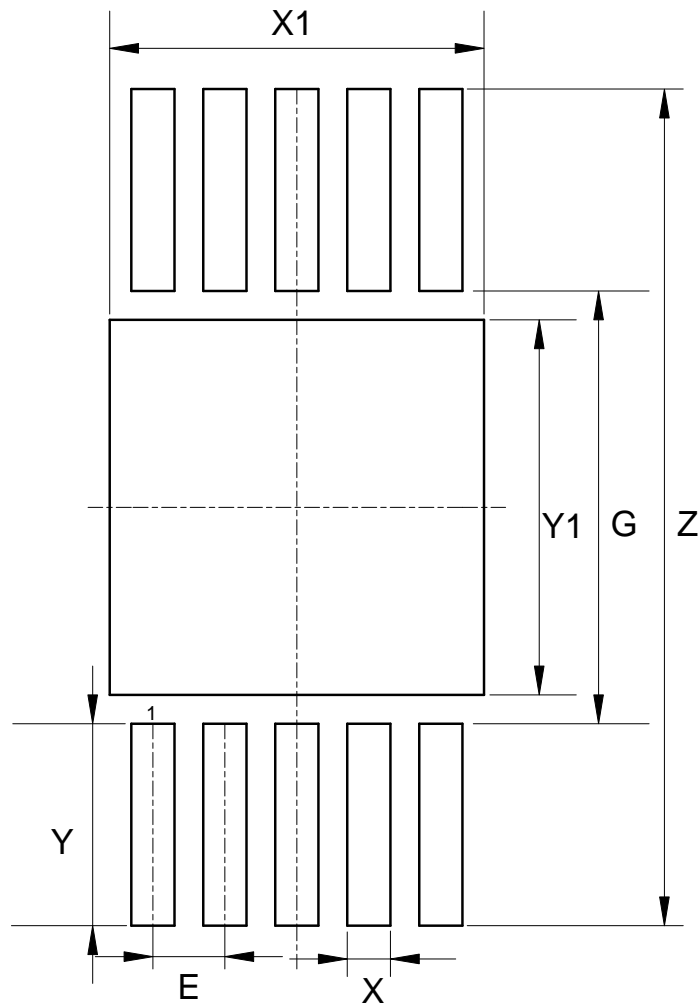


Note: 1. Eject hole, oriented hole and mold mark is optional.
2. The figure of exposed pad is not restrained as regular rectangle.

Packaging Information

Mounting Pad Layout

HMSOP-10



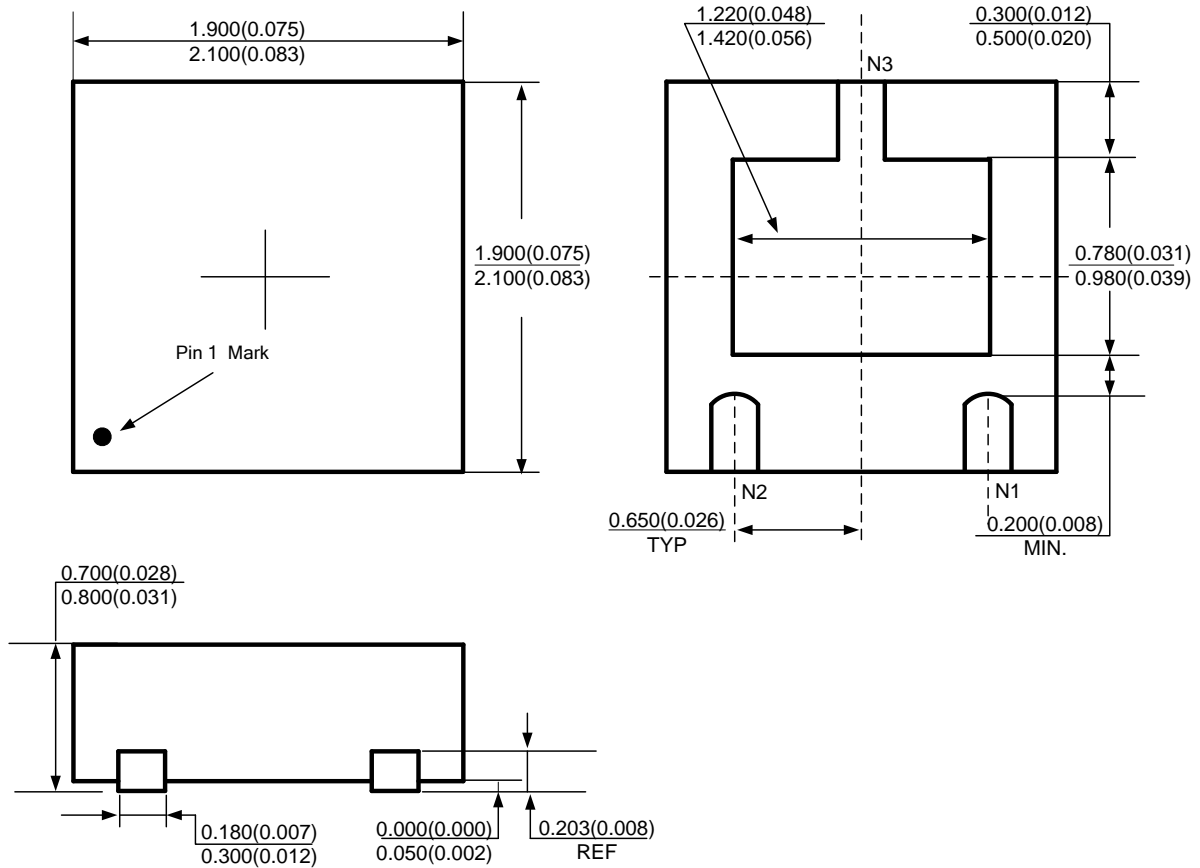
Dimensions	Z (mm)/(inch)	G (mm)/(inch)	X (mm)/(inch)	X1=Y1 (mm)/(inch)	Y (mm)/(inch)	E (mm)/(inch)
Value	5.800/0.228	3.000/0.118	0.300/0.012	2.600/0.102	1.400/0.055	0.500/0.020

Packaging Information

Mechanical Dimensions

DFN-2X2-3

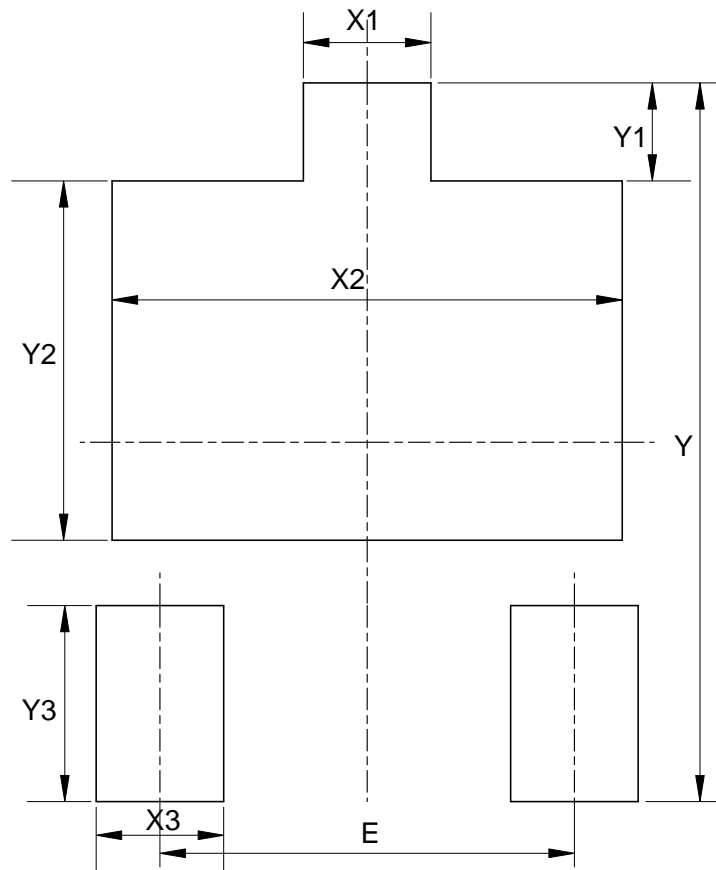
Unit: mm(inch)



Packaging Information

Mounting Pad Layout

DFN-2X2-3



Dimensions	Y (mm)/(inch)	X1=X3 (mm)/(inch)	Y1 (mm)/(inch)	X2 (mm)/(inch)
Value	2.200/0.087	0.400/0.016	0.300/0.012	1.600/0.063
Dimensions	Y2 (mm)/(inch)	Y3 (mm)/(inch)	E (mm)/(inch)	---
Value	1.100/0.043	0.600/0.024	1.300/0.051	---

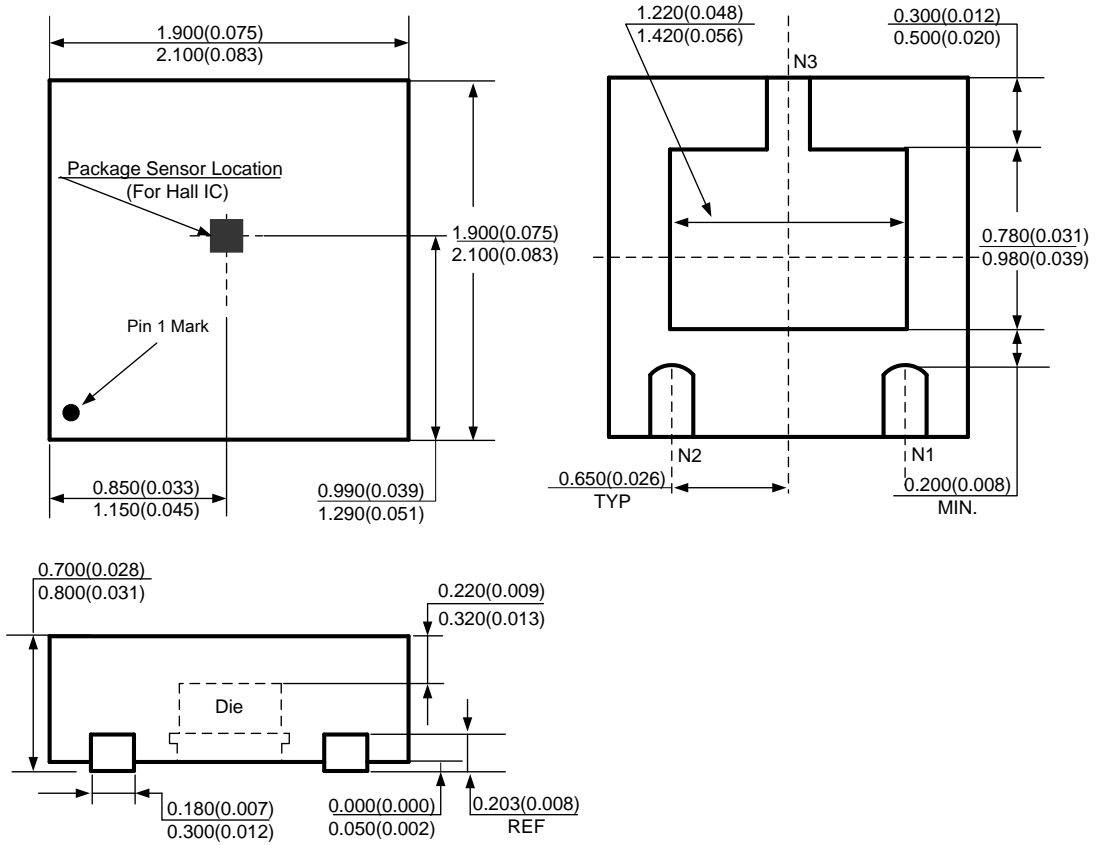


Packaging Information

Mechanical Dimensions

DFN-2X2-3 (Only for AH9248/AH9249)

Unit: mm(inch)



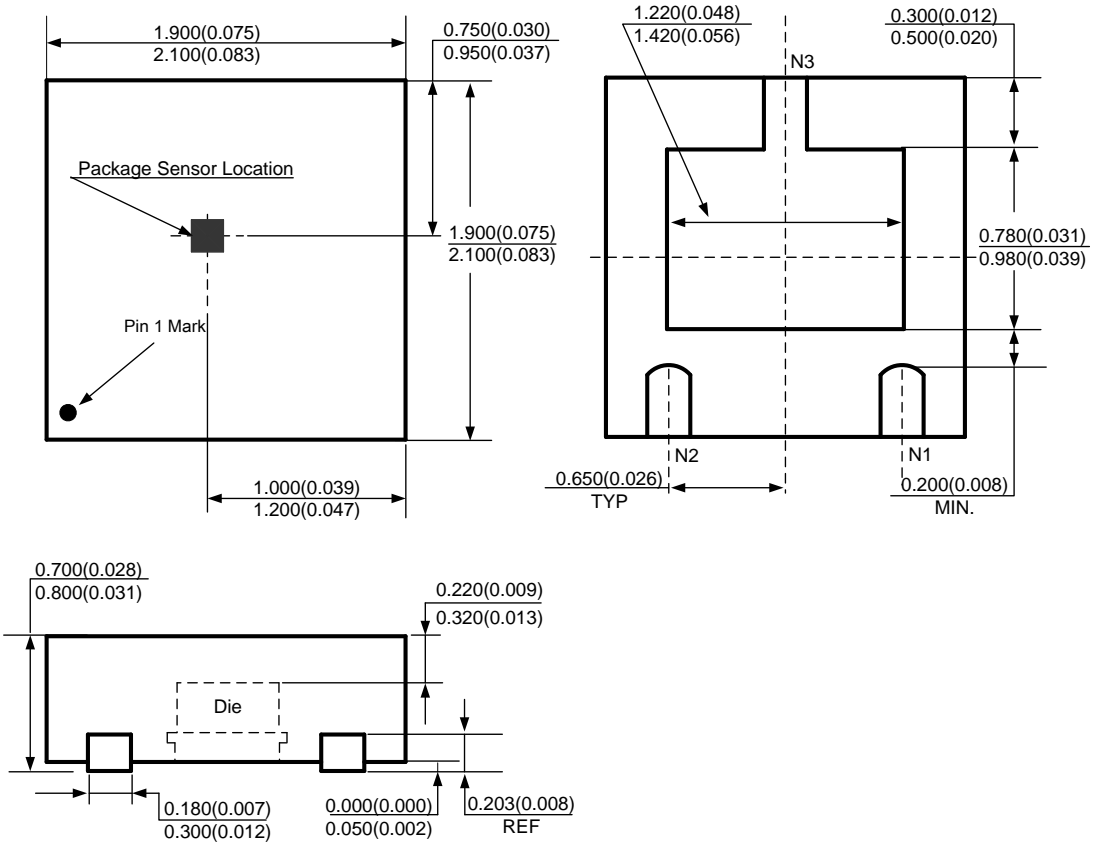


Packaging Information

Mechanical Dimensions

DFN-2X2-3 (Only for AH9247)

Unit: mm(inch)



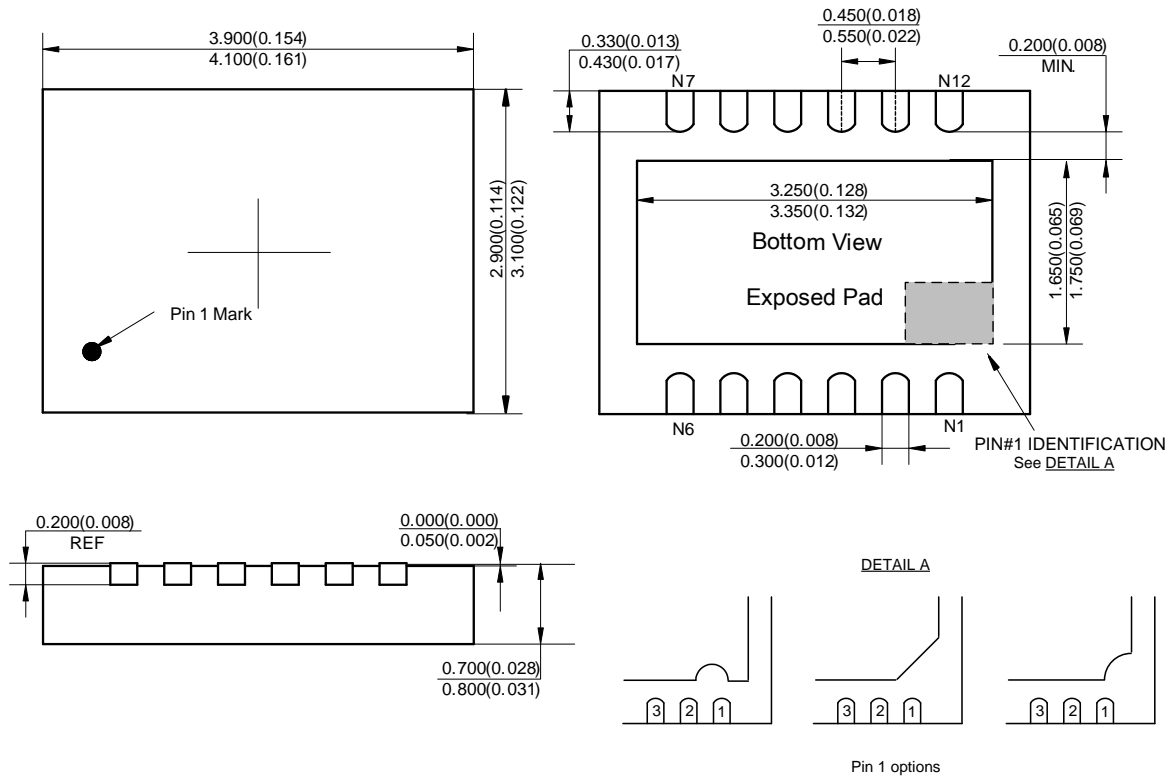


Packaging Information

Mechanical Dimensions

DFN-4X3-12

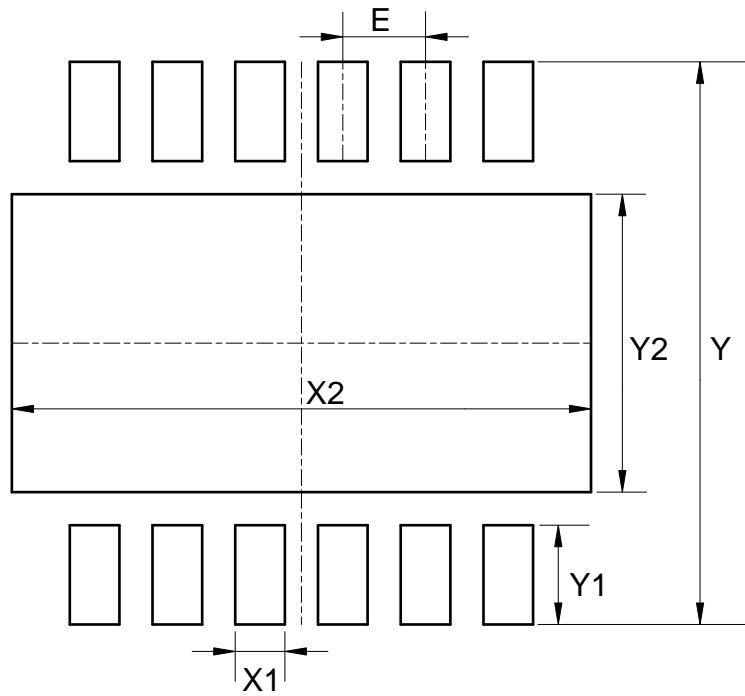
Unit: mm(inch)



Packaging Information

Mounting Pad Layout

DFN-4X3-12



Dimensions	Y (mm)/(inch)	X1 (mm)/(inch)	Y1 (mm)/(inch)	X2 (mm)/(inch)	Y2 (mm)/(inch)	E (mm)/(inch)
Value	3.400/0.134	0.300/0.012	0.600/0.024	3.500/0.138	1.800/0.071	0.500/0.020



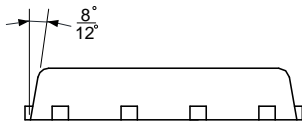
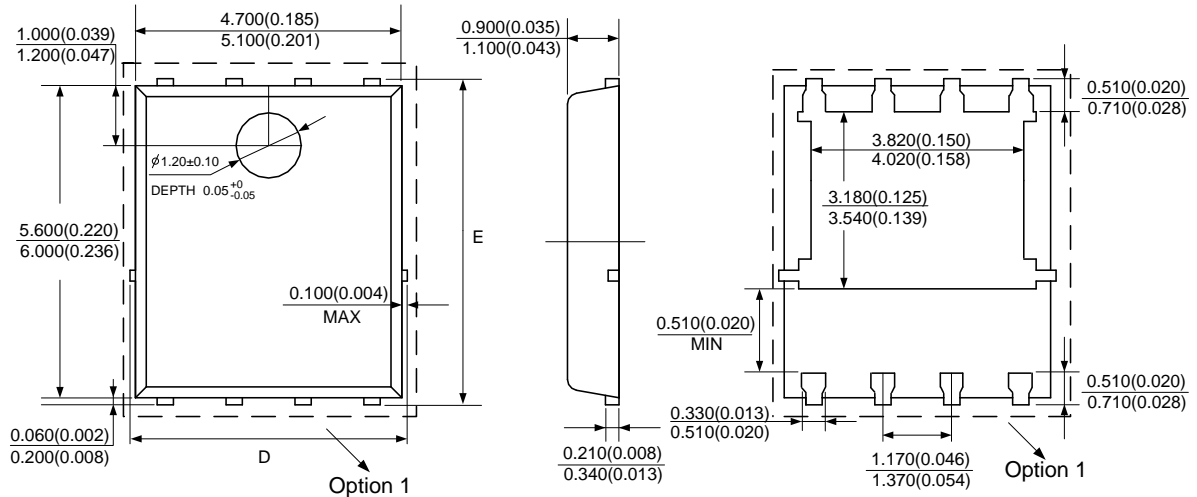
Packaging Information

Mechanical Dimensions

PDFN-5X6-8

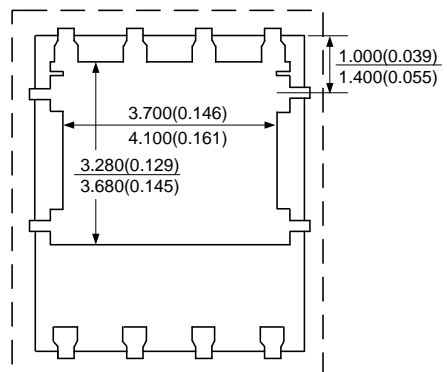
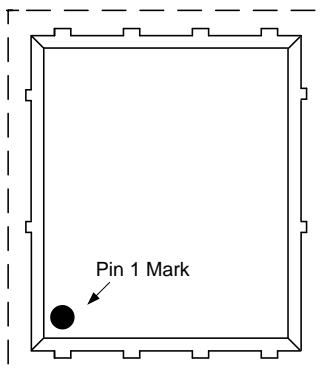
Unit: mm(inch)

New Product Changed to POWERDI5060-8 (2013.10)



Symbol	D				E			
	min(mm)	max(mm)	min(inch)	max(inch)	min(mm)	max(mm)	min(inch)	max(inch)
Option 1	--	5.100	--	0.201	5.900	6.100	0.232	0.240
Option 2	5.150(BSC)		0.203(BSC)		6.150(BSC)		0.242(BSC)	

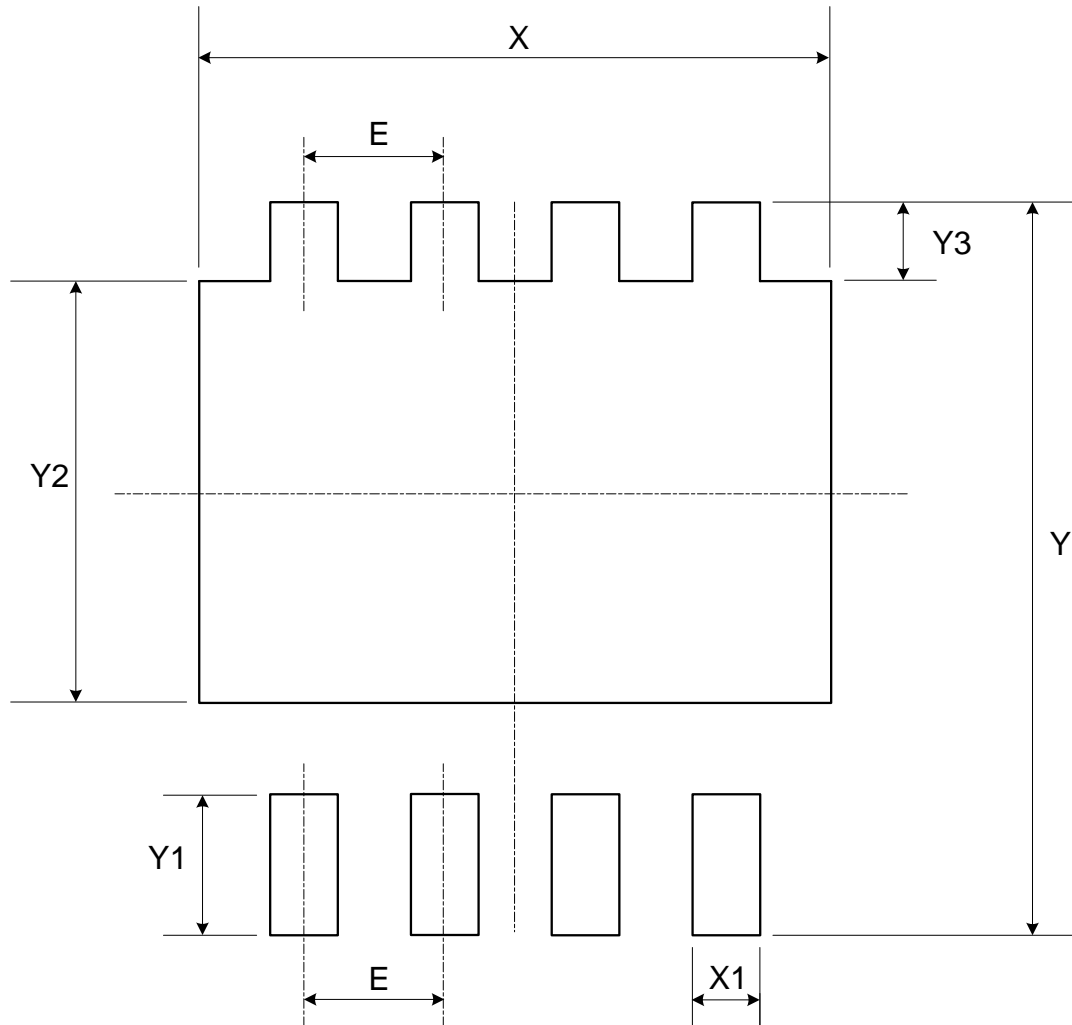
Option 2



Packaging Information

Mounting Pad Layout

PDFN-5X6-8



Dimensions	X (mm)/(inch)	Y (mm)/(inch)	X1 (mm)/(inch)	Y1=E (mm)/(inch)
Value	5.700/0.224	6.600/0.260	0.610/0.024	1.270/0.050
Dimensions	Y2 (mm)/(inch)	Y3 (mm)/(inch)	-	-
Value	3.800/0.150	0.710/0.028	-	-

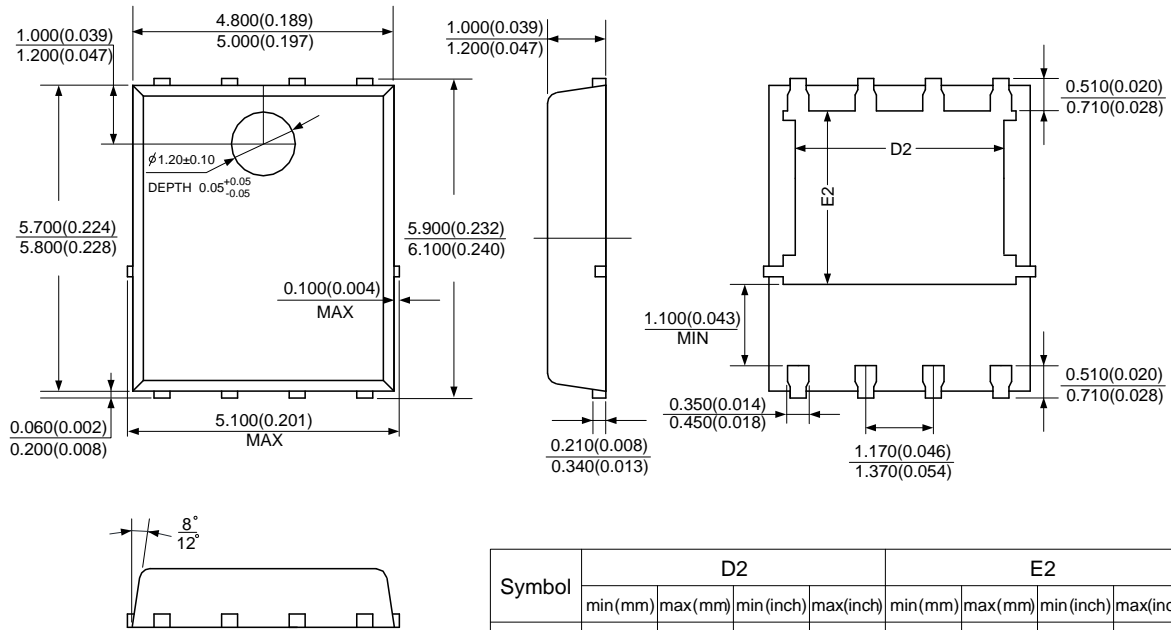


Packaging Information

Mechanical Dimensions

PDFN-5X6-8 (2)

Unit: mm(inch)



Symbol	D2				E2			
	min(mm)	max(mm)	min(inch)	max(inch)	min(mm)	max(mm)	min(inch)	max(inch)
Option 1	3.820	4.020	0.150	0.158	3.340	3.540	0.131	0.139
Option 2	3.820	4.020	0.150	0.158	3.180	3.380	0.125	0.133
Option 3	3.910	4.110	0.154	0.162	3.340	3.540	0.131	0.139

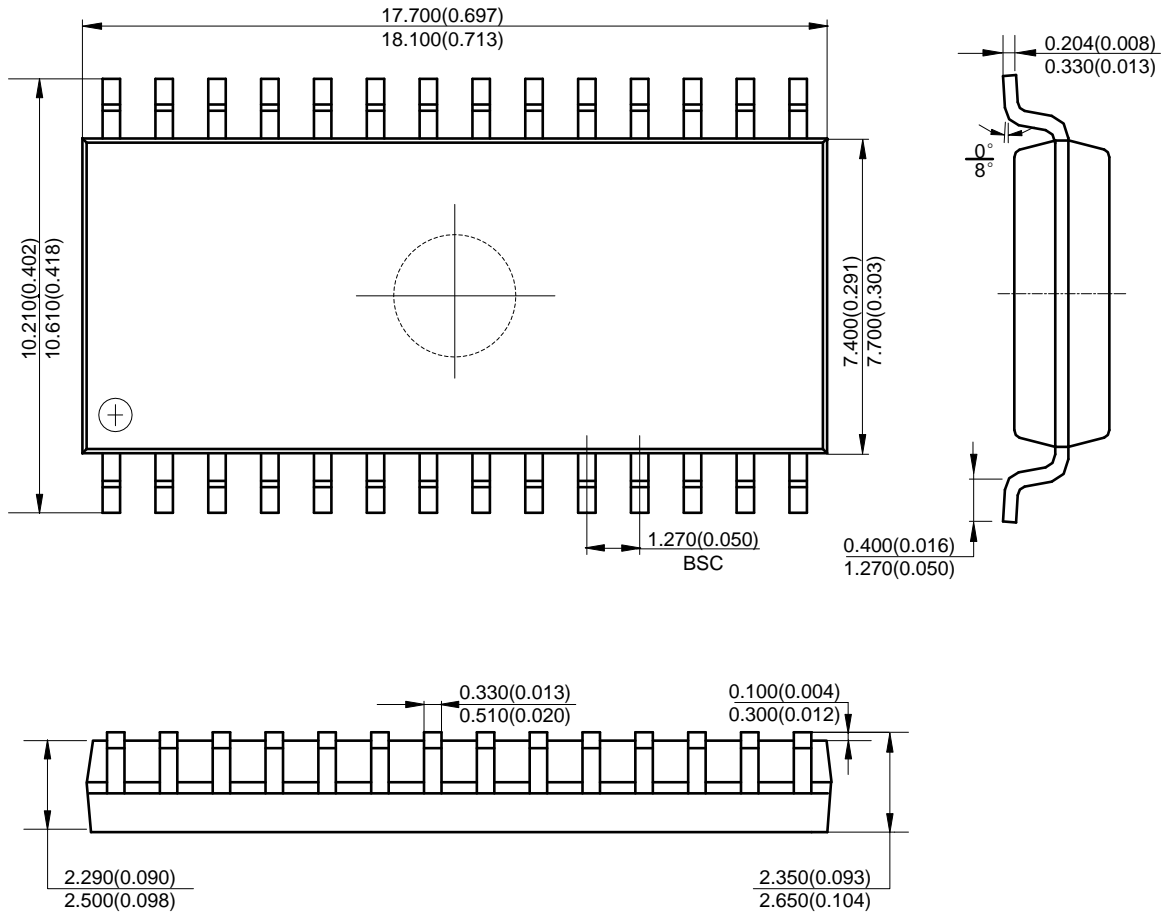


Packaging Information

Mechanical Dimensions

SOIC-28 New Product Changed to SO-28 (2013.10)

Unit: mm(inch)

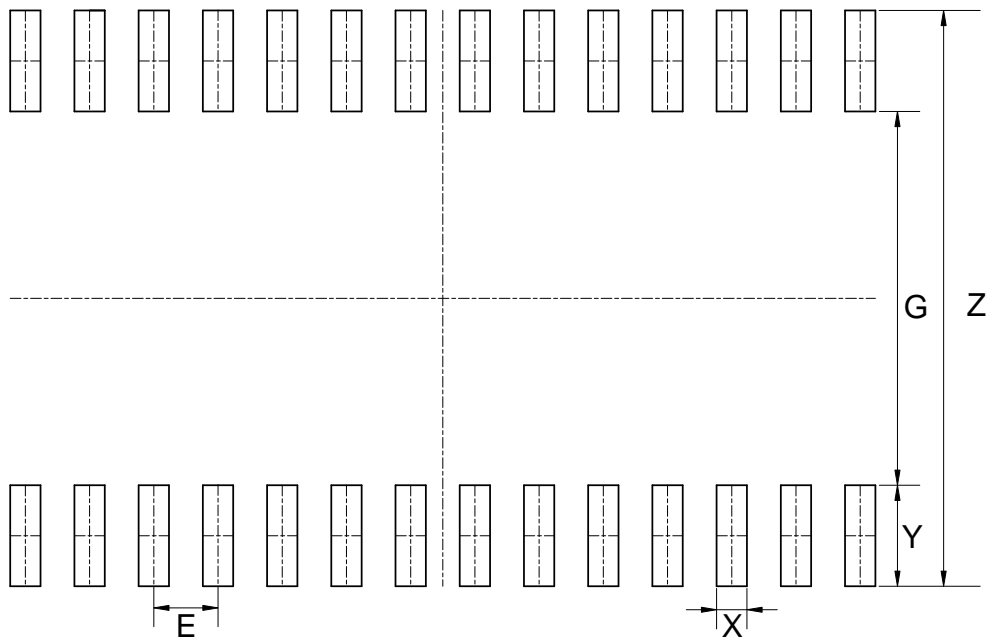


Note: Eject hole, oriented hole and mold mark is optional.

Packaging Information

Mounting Pad Layout

SOIC-28



Dimensions	Z (mm)/(inch)	G (mm)/(inch)	X (mm)/(inch)	Y (mm)/(inch)	E (mm)/(inch)
Value	11.400/0.449	7.400/0.291	0.600/0.024	2.000/0.079	1.270/0.050

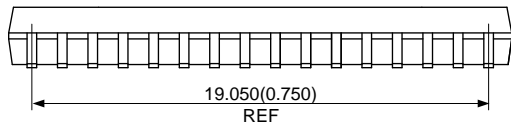
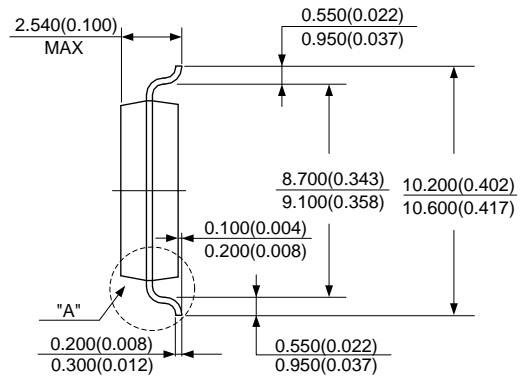
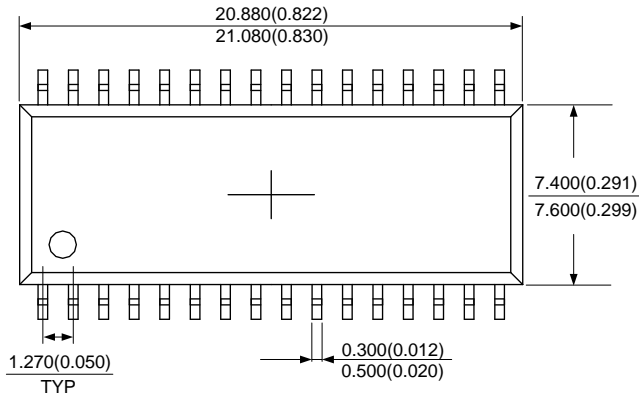


Packaging Information

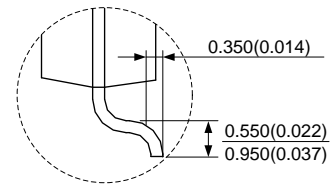
Mechanical Dimensions

SOIC-32 New Product Changed to SO-32 (2013.10)

Unit: mm(inch)



Details of "A"



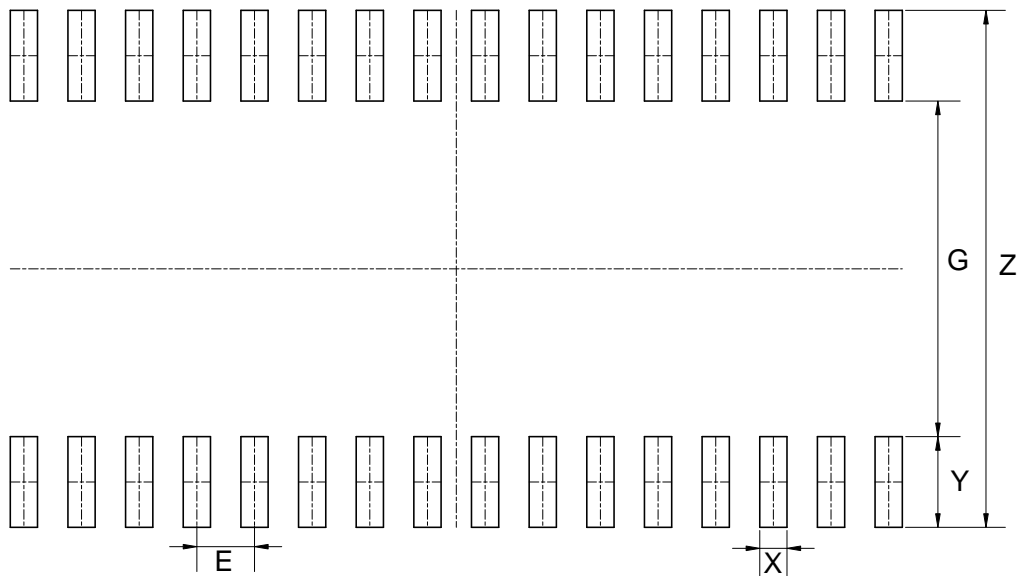
Note: Eject hole, oriented hole and mold mark is optional.



Packaging Information

Mounting Pad Layout

SOIC-32



Dimensions	Z (mm)/(inch)	G (mm)/(inch)	X (mm)/(inch)	Y (mm)/(inch)	E (mm)/(inch)
Value	11.400/0.449	7.400/0.291	0.600/0.024	2.000/0.079	1.270/0.050

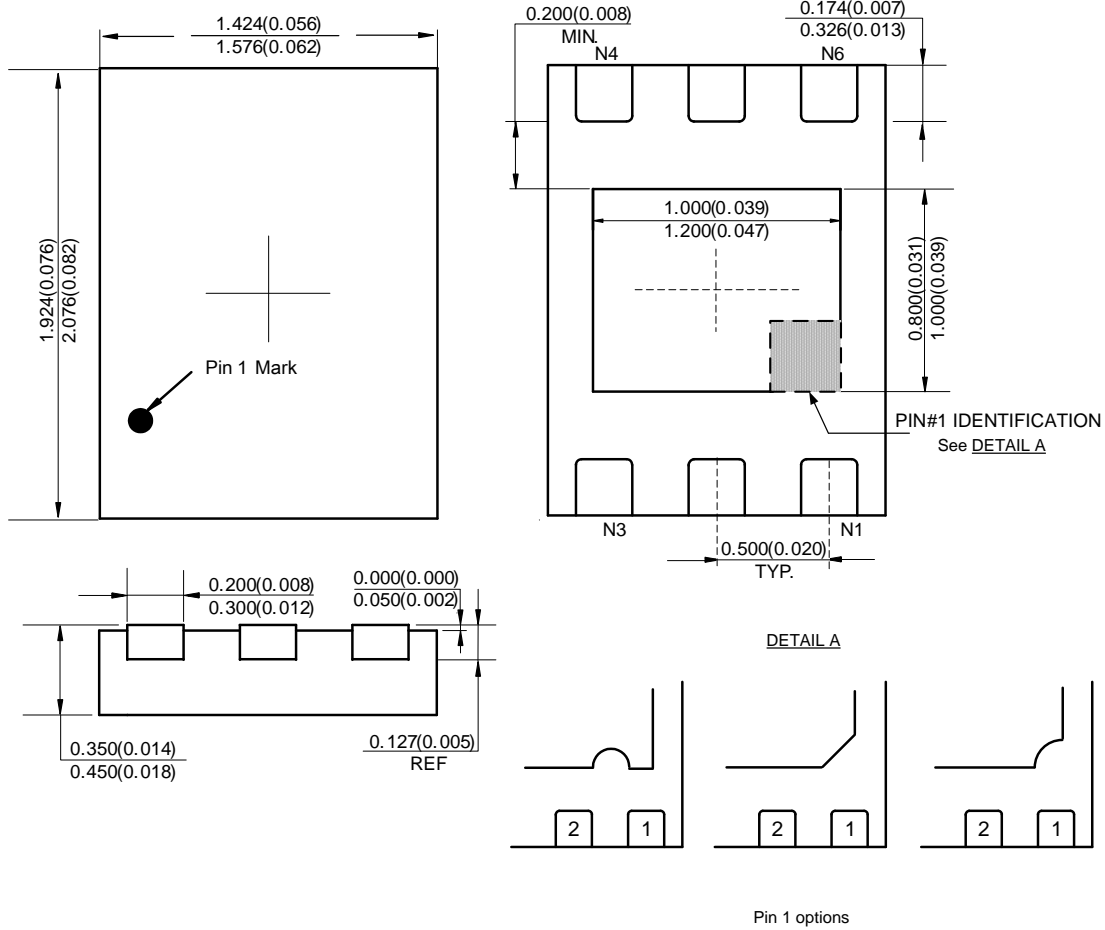


Packaging Information

Mechanical Dimensions

DFN-1.5x2-6

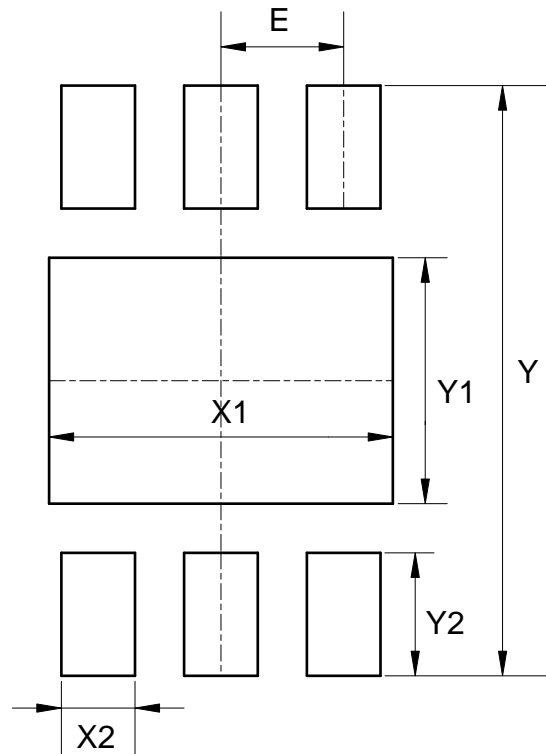
Unit: mm(inch)



Packaging Information

Mounting Pad Layout

DFN-1.5x2-6



Dimensions	Y (mm)/(inch)	X1 (mm)/(inch)	Y1 (mm)/(inch)	X2 (mm)/(inch)	Y2=E (mm)/(inch)
Value	2.400/0.094	1.400/0.055	1.000/0.039	0.300/0.012	0.500/0.020

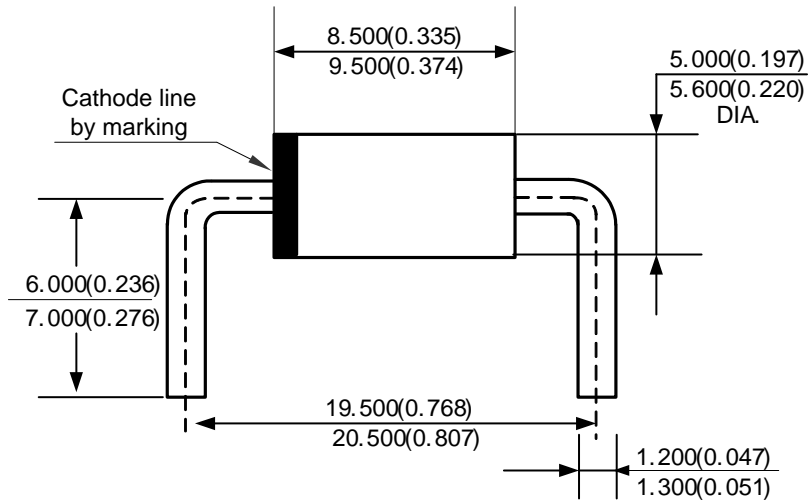


Packaging Information

Mechanical Dimensions

DO-27(L)

Unit: mm(inch)



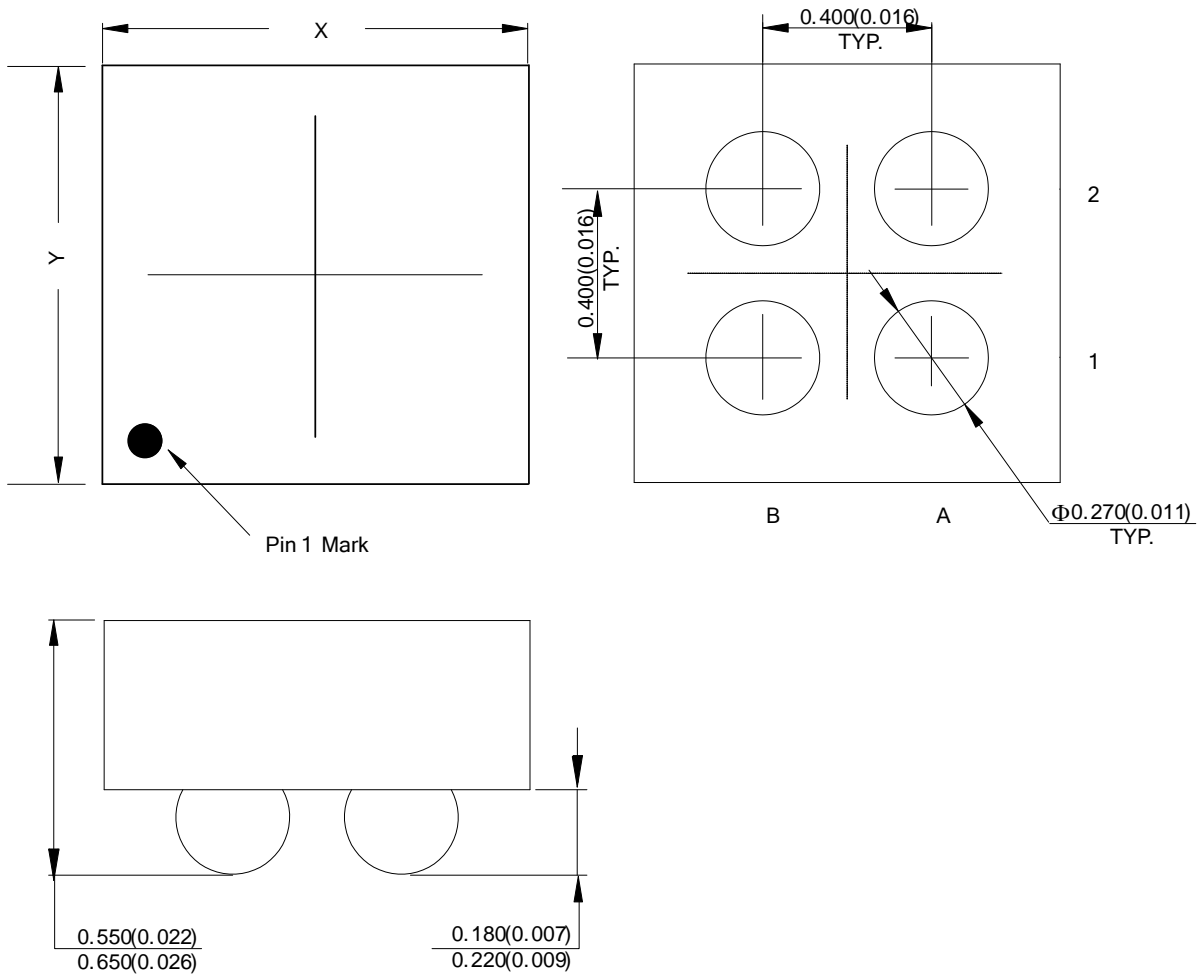


Packaging Information

Mechanical Dimensions

CSP-4 (P 0.4)

Unit: mm(inch)



Note : X & Y: To determine the exact package size of a particular device, refer to the device datasheet

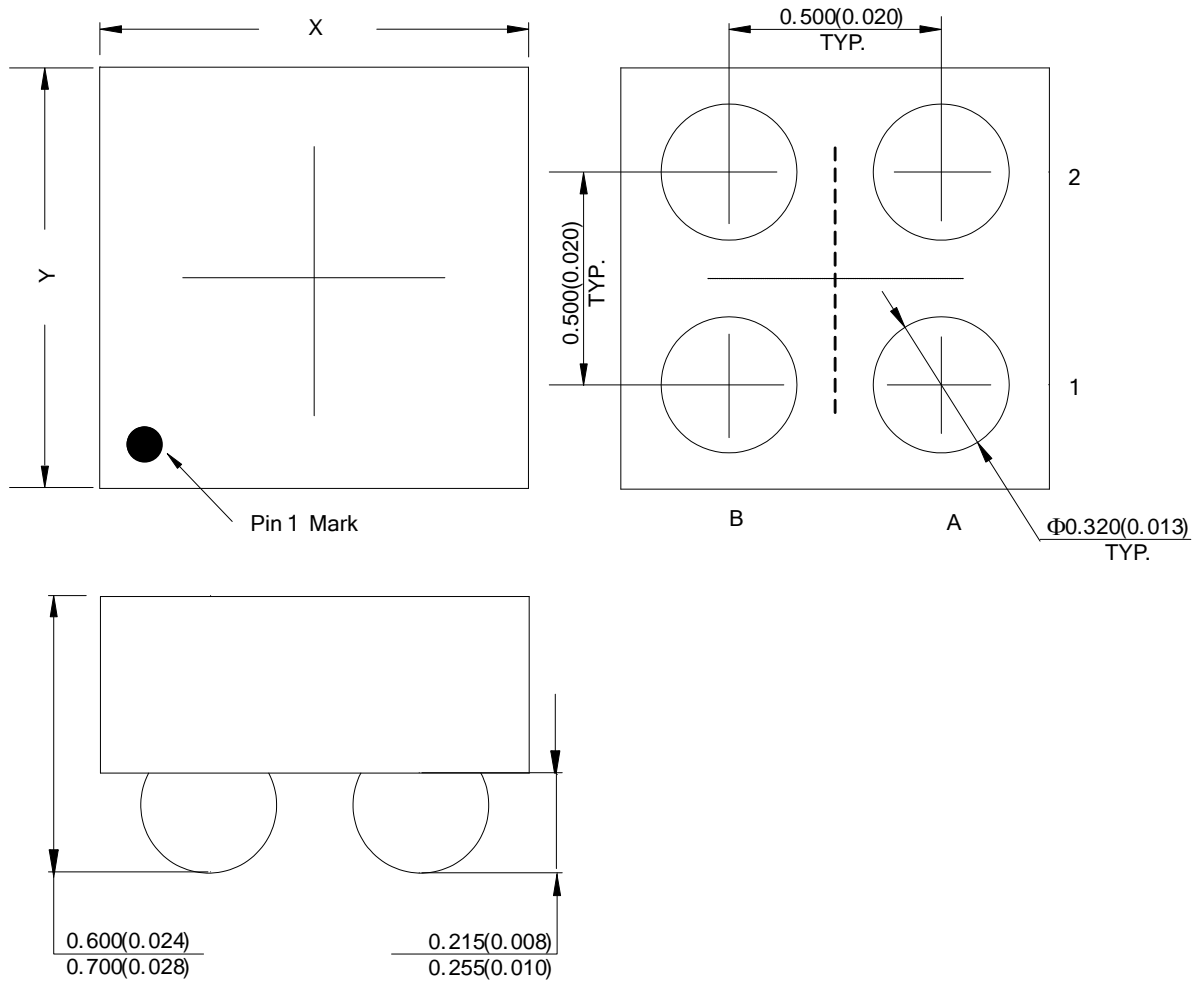


Packaging Information

Mechanical Dimensions

CSP-4 (P 0.5)

Unit: mm(inch)



Note : X & Y: To determine the exact package size of a particular device, refer to the device datasheet

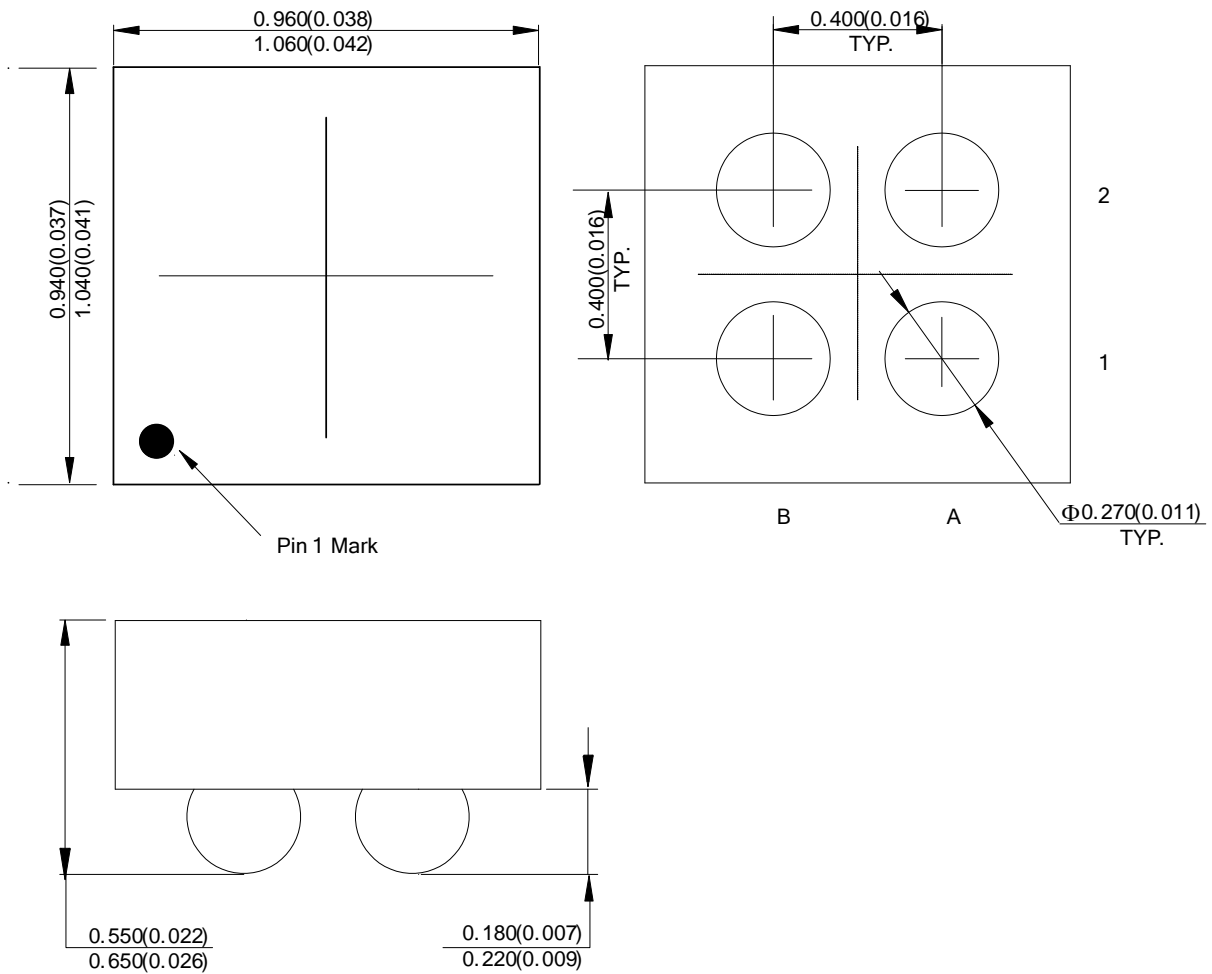


Packaging Information

Mechanical Dimensions

CSP-4 (P 0.4)(Only for AP2121)

Unit: mm(inch)



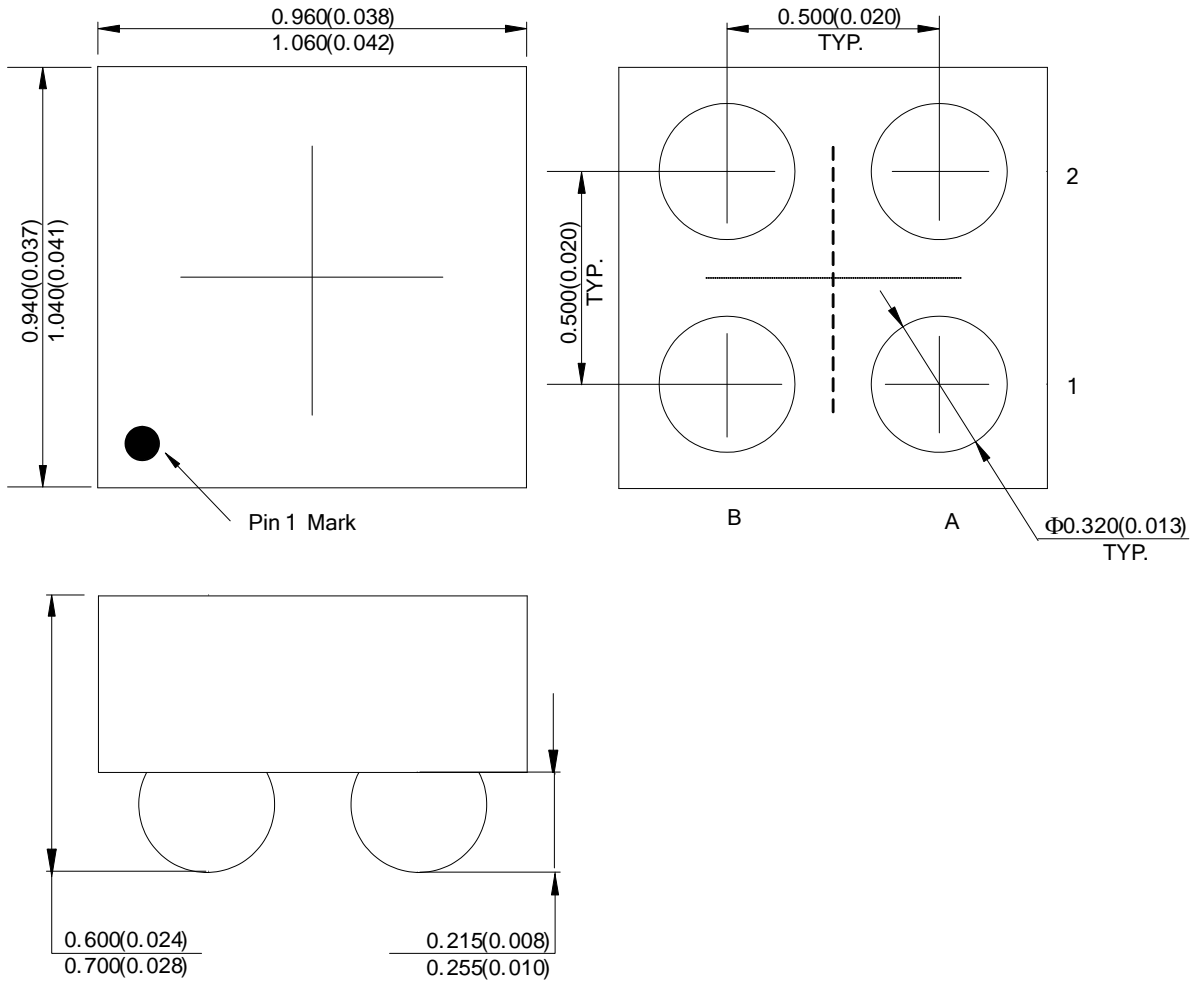


Packaging Information

Mechanical Dimensions

CSP-4 (P 0.5)(Only for AP2121)

Unit: mm(inch)

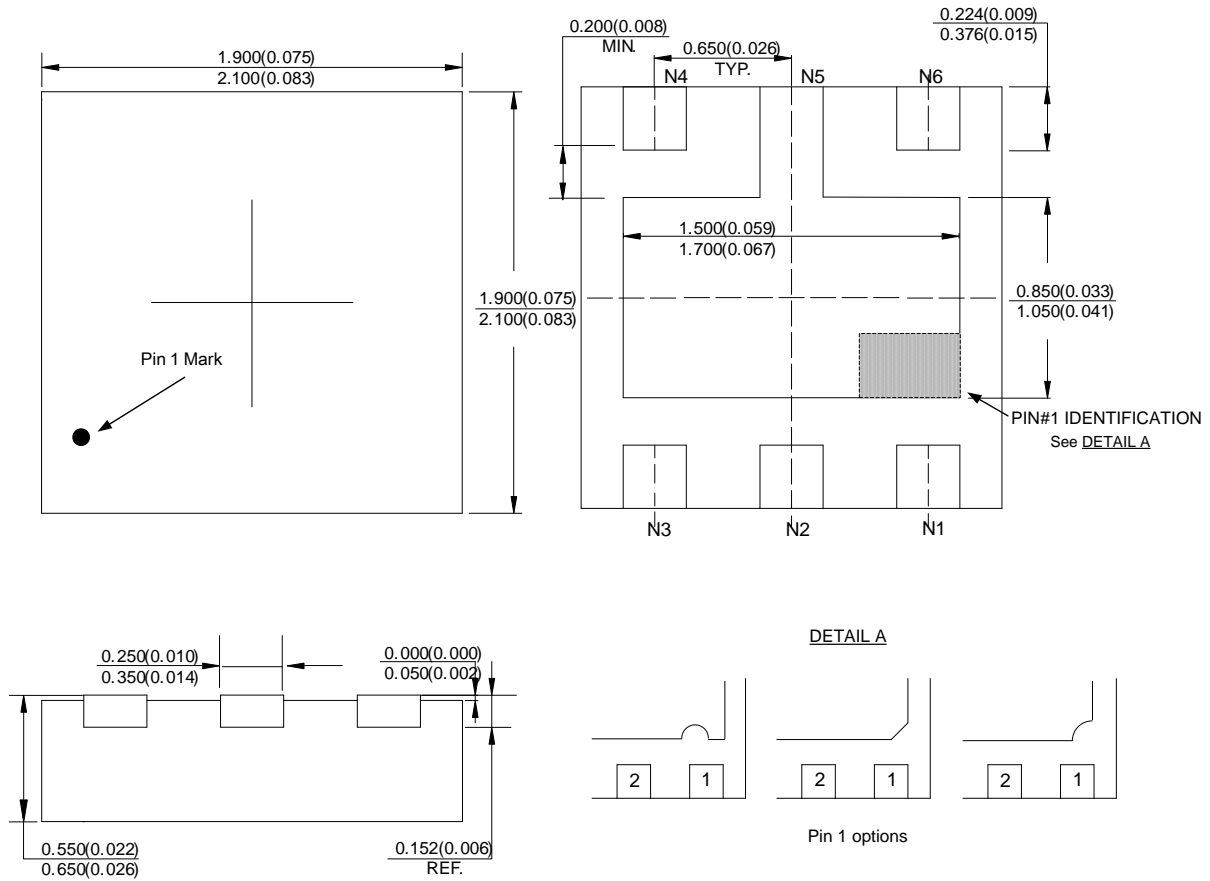




Packaging Information

Mechanical Dimensions

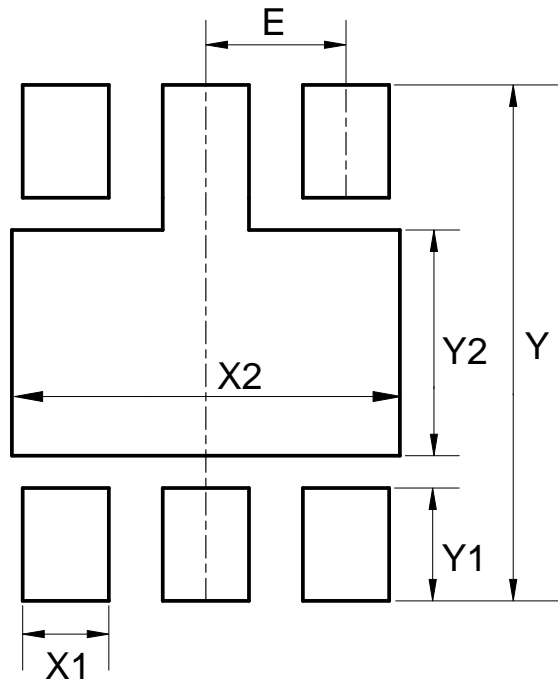
DFN-2x2-6 (1) **Unit: mm(inch)**
New Product Changed to U-DFN2020-6 (2013.10)



Packaging Information

Mounting Pad Layout

DFN-2x2-6 (1)



Dimensions	Y (mm)/(inch)	X1 (mm)/(inch)	Y1 (mm)/(inch)	X2 (mm)/(inch)	Y2 (mm)/(inch)	E (mm)/(inch)
Value	2.400/0.094	0.400/0.016	0.525/0.021	1.800/0.071	1.050/0.041	0.650/0.026

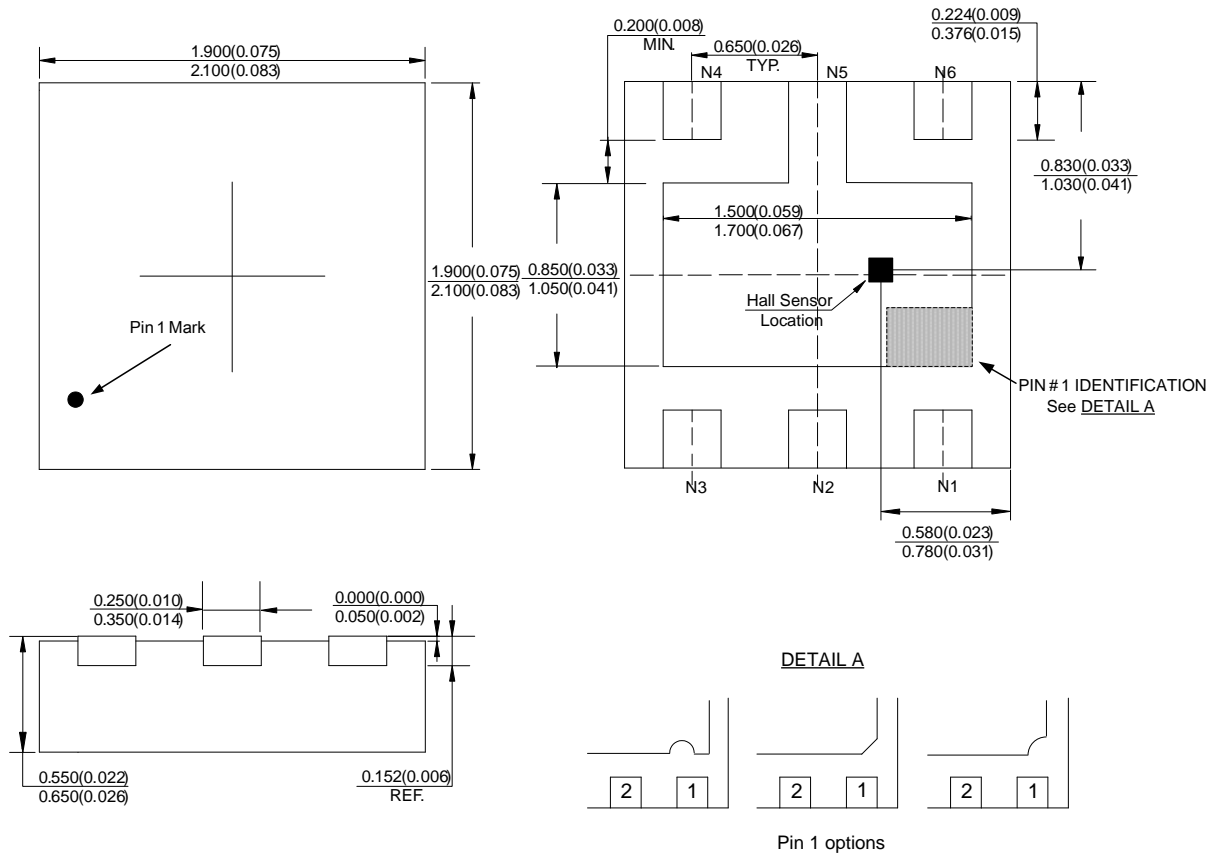


Packaging Information

Mechanical Dimensions

DFN-2x2-6 (1) (Only for AH9482/AH9483)

Unit: mm(inch)





Packaging Information

Mechanical Dimensions

TO-3P Unit: mm(inch)
New Product Changed to TO3P (2013.10)

