



Recommended Minimum Pad Patterns with Outline Drawing Access for Vishay Siliconix MOSFETs

BY KANDARP PANDYA

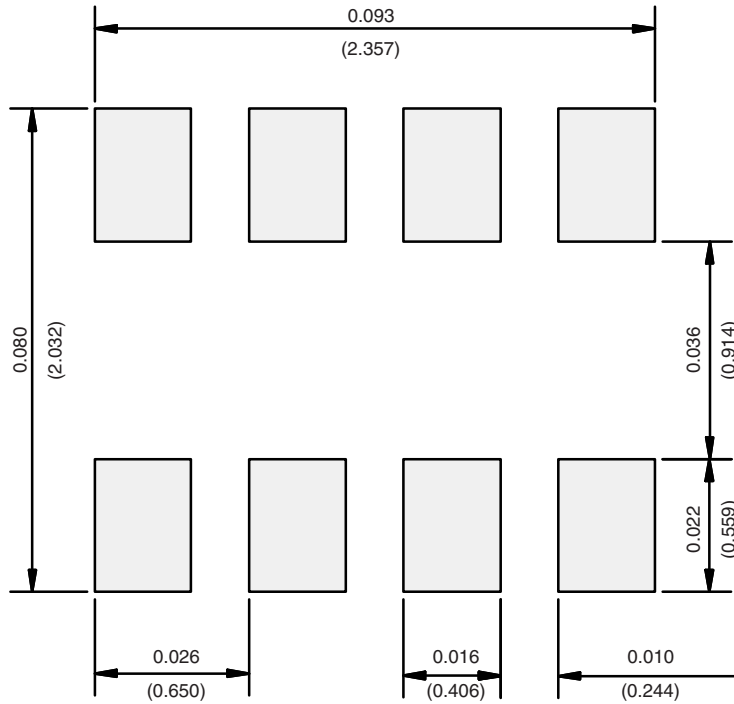
This web-smart document offers the following features:

- Click on any package type listed under the “Package” column to go to the corresponding minimum recommended pad pattern drawing, or scroll down to the page indicated in the second column. Click on “Return to Index” at the bottom of the minimum recommended pad pattern drawing to return to the first page and this index.
- Click on the URL under the “Outline Drawing URL” column to open the corresponding package outline drawing on the Vishay web site. Click the “Back” (left arrow) button on your browser to return to this index page.

PACKAGE DRAWING DOCUMENT INDEX		
PACKAGE	MINIMUM PAD PATTERN	OUTLINE DRAWING URL
1206-8 ChipFET®	Page 2	www.vishay.com/doc?71151
DPAK (TO-252)	Page 3	www.vishay.com/doc?71197
DPAK (TO-252-4L)	Page 4	www.vishay.com/doc?74439
D ² PAK 3-Lead	Page 5	www.vishay.com/doc?71198
D ² PAK 5-Lead	Page 6	(SUB) www.vishay.com/doc?71199
		(SUM) www.vishay.com/doc?71602
PolarPAK®	Page 7	(Option L) www.vishay.com/doc?72945
		(Option S) www.vishay.com/doc?73398
PolarPAK (xH Options)	Page 8	(Option SH) www.vishay.com/doc?68946
PowerPAIR® 3 x 3	Page 9	www.vishay.com/doc?67698
PowerPAIR 6 x 3.7	Page 10	www.vishay.com/doc?69028
PowerPAIR 6 x 5	Page 11	www.vishay.com/doc?69027
PowerPAK® 1212-8 Single	Page 12	www.vishay.com/doc?71656
PowerPAK 1212-8 Dual	Page 13	
PowerPAK ChipFET Single	Page 14	www.vishay.com/doc?73203
PowerPAK ChipFET Dual	Page 15	www.vishay.com/doc?73204
PowerPAK SC-70 Single	Page 16	www.vishay.com/doc?73001
PowerPAK SC-70 Dual	Page 17	
PowerPAK SC-75 Single	Page 18	www.vishay.com/doc?73000
PowerPAK SC-75 Dual	Page 19	
PowerPAK SO-8 Single	Page 20	www.vishay.com/doc?71655
PowerPAK SO-8 Dual	Page 21	
SC-70 3-Lead	Page 22	www.vishay.com/doc?71153
SC-70 6-Lead	Page 23	www.vishay.com/doc?71154
SC-75A 3-Lead	Page 24	www.vishay.com/doc?71348
SC-89 3-Lead	Page 25	www.vishay.com/doc?71377
SC-89 6-Lead	Page 26	www.vishay.com/doc?71612
SO-8	Page 27	www.vishay.com/doc?71192
SO-14	Page 28	www.vishay.com/doc?71193
SO-16	Page 29	www.vishay.com/doc?71194
SOT-23	Page 30	www.vishay.com/doc?71196
SOT-923	Page 31	www.vishay.com/doc?64983
TSOP-6	Page 32	www.vishay.com/doc?71200
TSSOP-8	Page 33	www.vishay.com/doc?71201

Recommended Minimum Pad Patterns with Outline Drawing Access for Vishay Siliconix MOSFETs

RECOMMENDED MINIMUM PADS FOR 1206-8 ChipFET

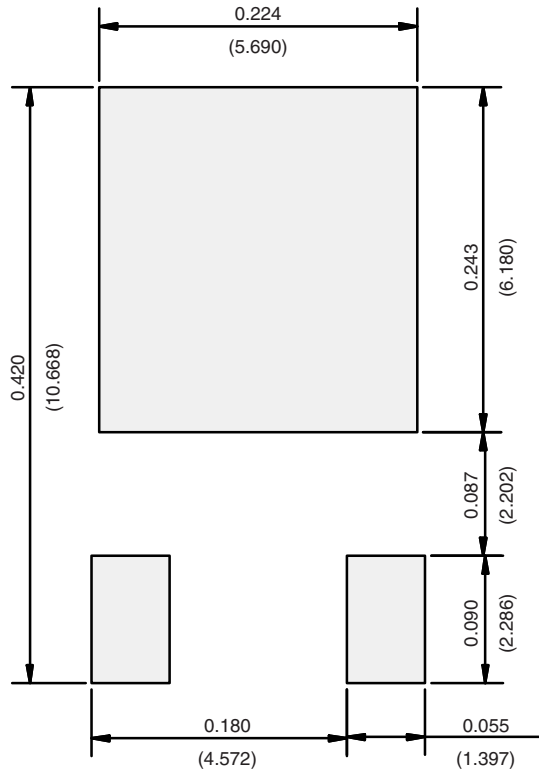


Recommended Minimum Pads
Dimensions in inches (mm)

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Recommended Minimum Pad Patterns with Outline Drawing Access for Vishay Siliconix MOSFETs

RECOMMENDED MINIMUM PADS FOR DPAK (TO-252)

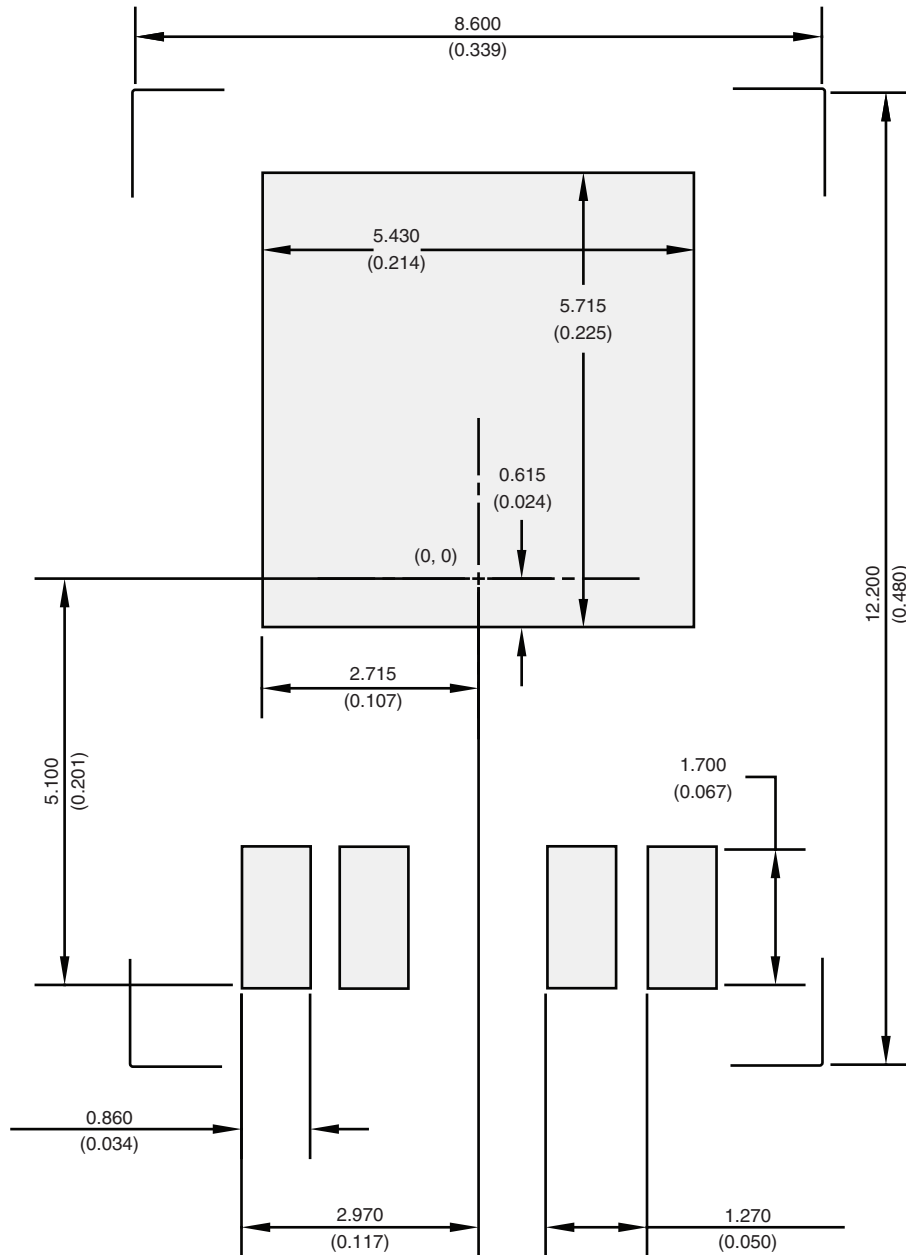


Recommended Minimum Pads
Dimensions in inches (mm)

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Recommended Minimum Pad Patterns with Outline Drawing Access for Vishay Siliconix MOSFETs

RECOMMENDED PAD FOR DPAK 4L



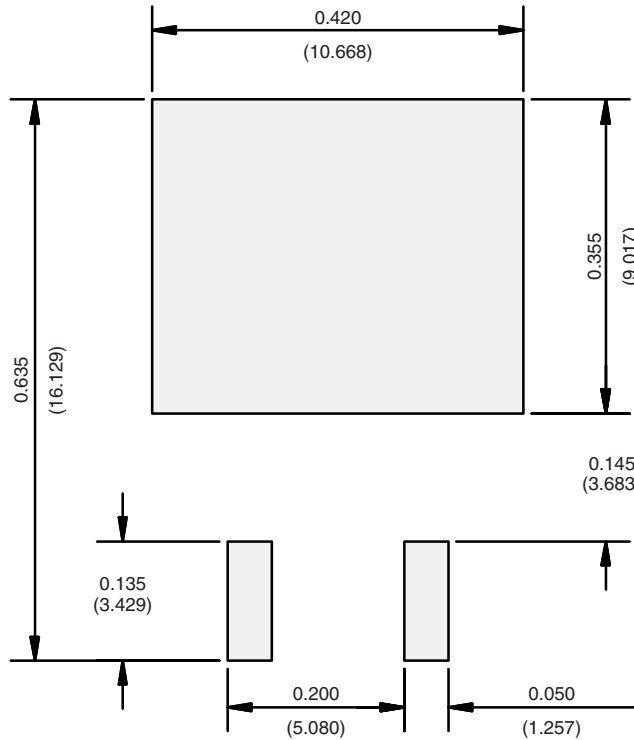
Recommended Minimum PADS for TO-252-4L (DPAK)
Dimensions in mm (inches)
Keep-out 8.6 (0.339) x 12.2 (0.480)

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APPLICATION NOTE

Recommended Minimum Pad Patterns with Outline Drawing Access for Vishay Siliconix MOSFETs

RECOMMENDED MINIMUM PADS FOR D²PAK: 3-Lead

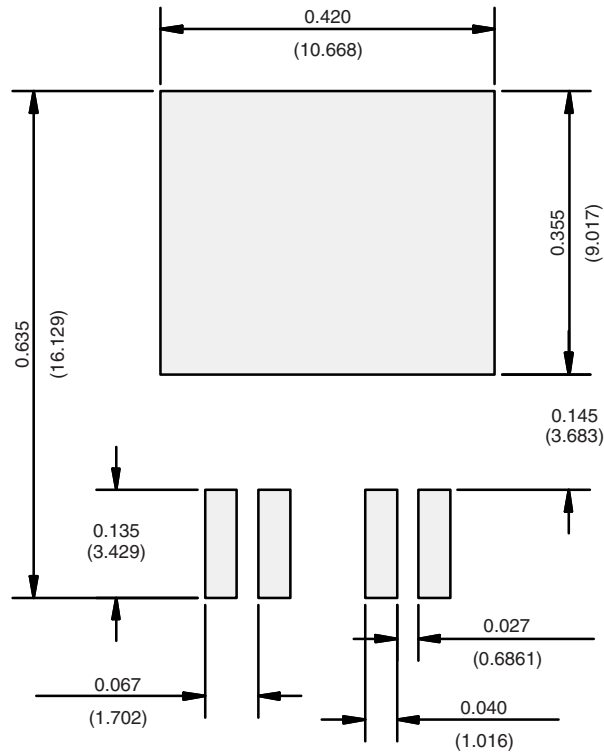


Recommended Minimum Pads
Dimensions in inches (mm)

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Recommended Minimum Pad Patterns with Outline Drawing Access for Vishay Siliconix MOSFETs

RECOMMENDED MINIMUM PADS FOR D²PAK: 5-Lead

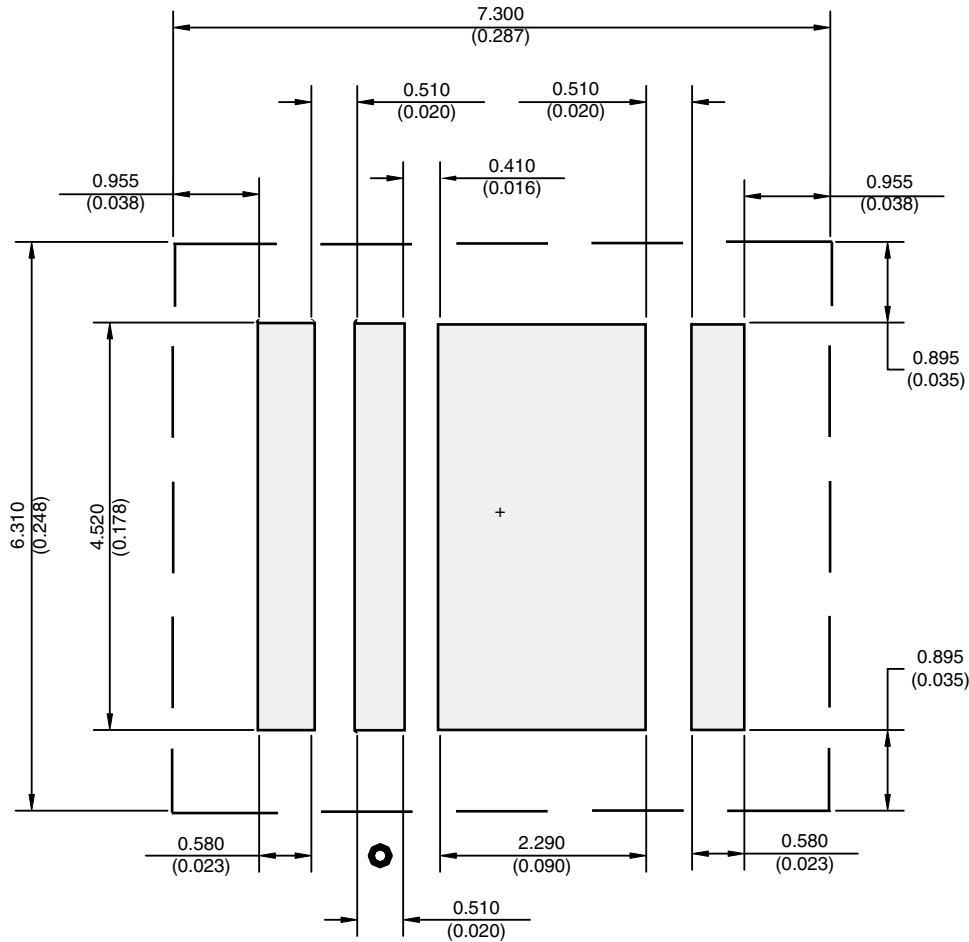


Recommended Minimum Pads
Dimensions in Inches (mm)

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Recommended Minimum Pad Patterns with Outline Drawing Access for Vishay Siliconix MOSFETs

RECOMMENDED MINIMUM PADS FOR PolarPAK Option L and S

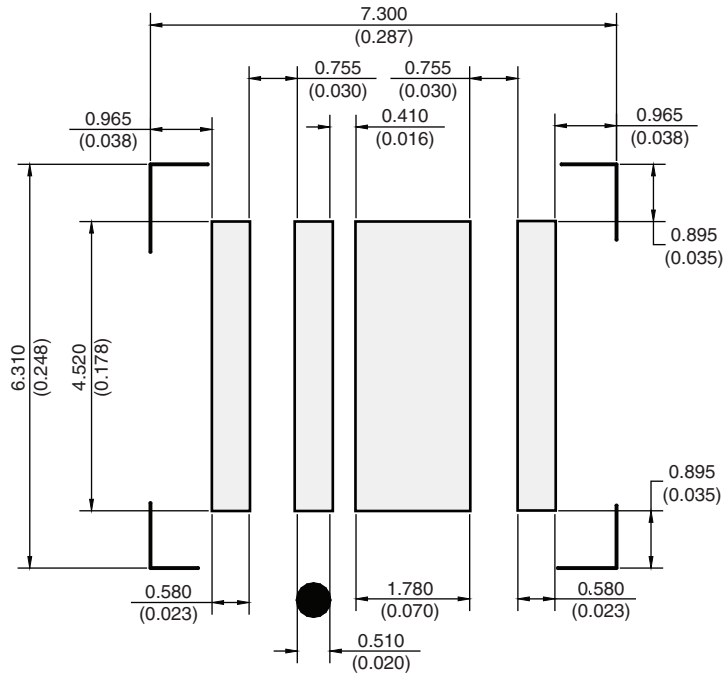


Recommended Minimum for PolarPAK Option L and S
 Dimensions in mm (inches)
 No External Traces within Broken Lines
 Dot indicates Gate Pin (Part Marking)

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Recommended Minimum Pad Patterns with Outline Drawing Access for Vishay Siliconix MOSFETs

RECOMMENDED MINIMUM PADS FOR HIGH VOLTAGE PolarPAK Option xH

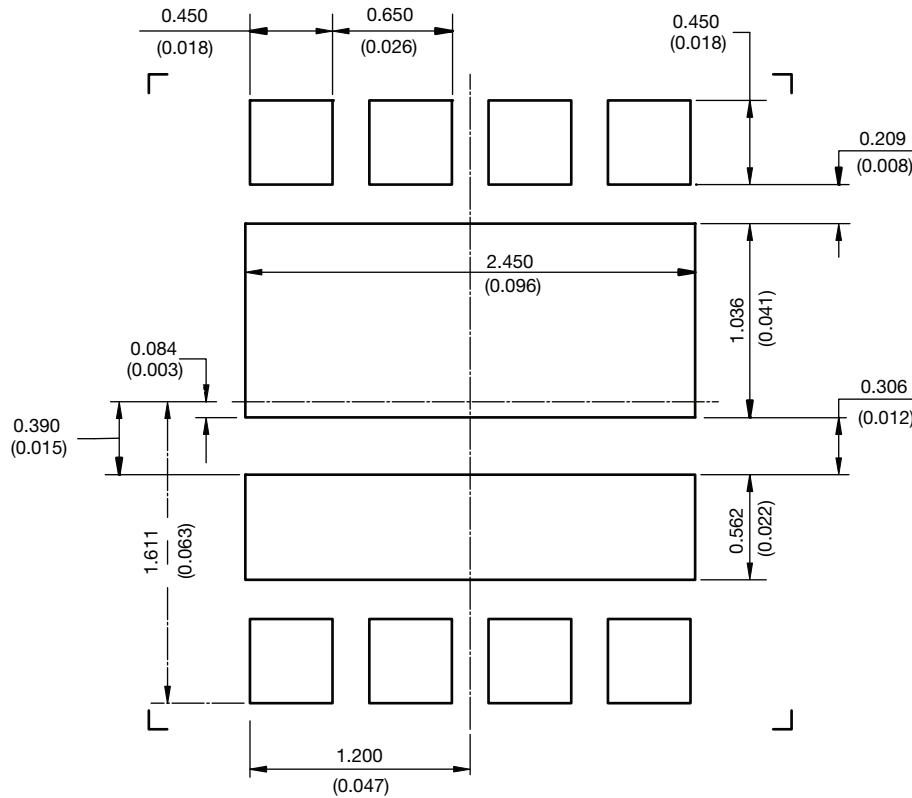


Dimensions in mm (inches)
No external traces within border corners
Dot indicate gate pin (part marking)

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Recommended Minimum Pad Patterns with Outline Drawing Access for Vishay Siliconix MOSFETs

RECOMMENDED PAD FOR PowerPAIR 3 x 3



Recommended PAD for PowerPAIR 3 x 3

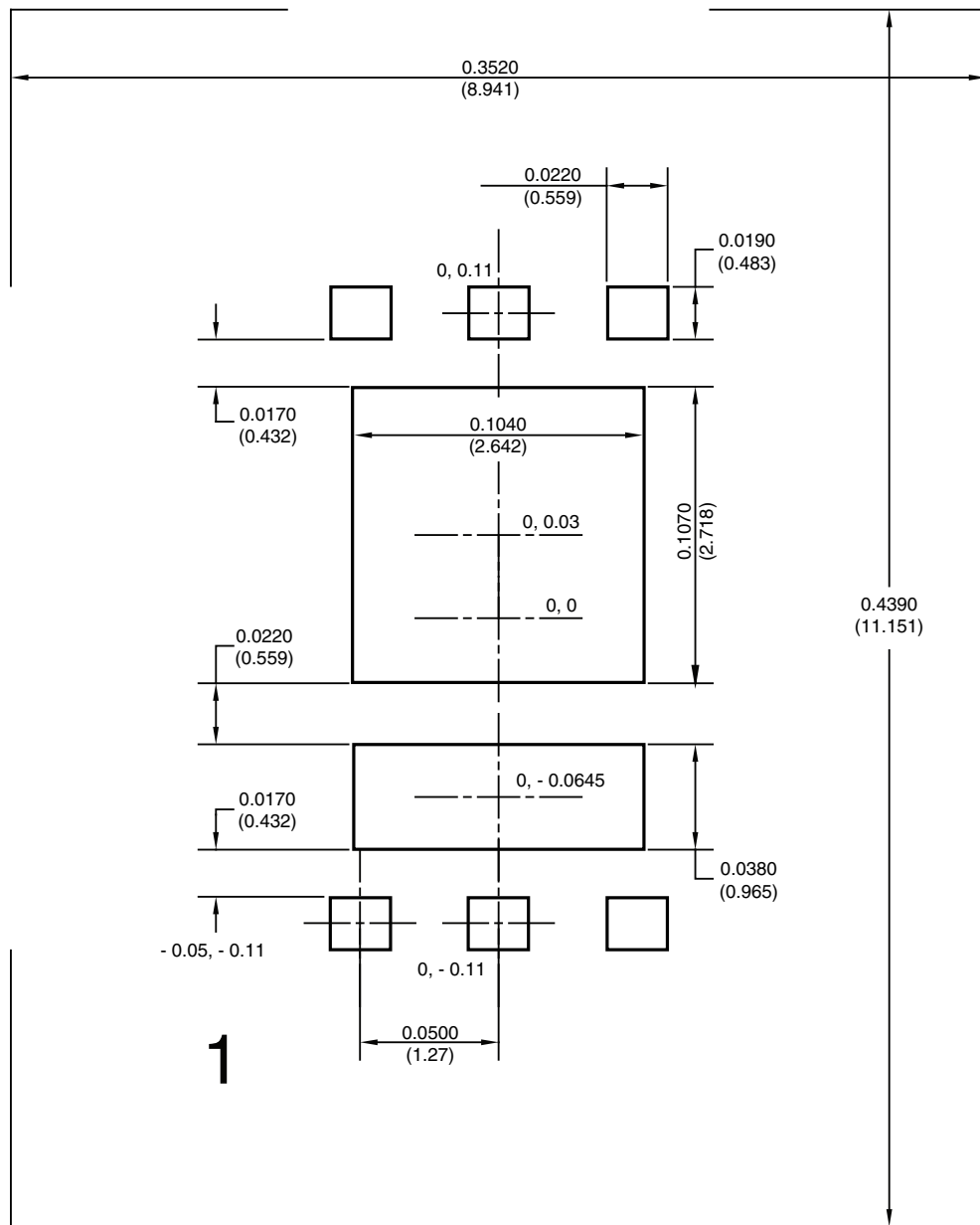
Dimensions in millimeters (inches)

Keep-Out 3.5 mm x 3.5 mm for non terminating traces

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Recommended Minimum Pad Patterns with Outline Drawing Access for Vishay Siliconix MOSFETs

RECOMMENDED PAD FOR PowerPAIR 6 x 3.7

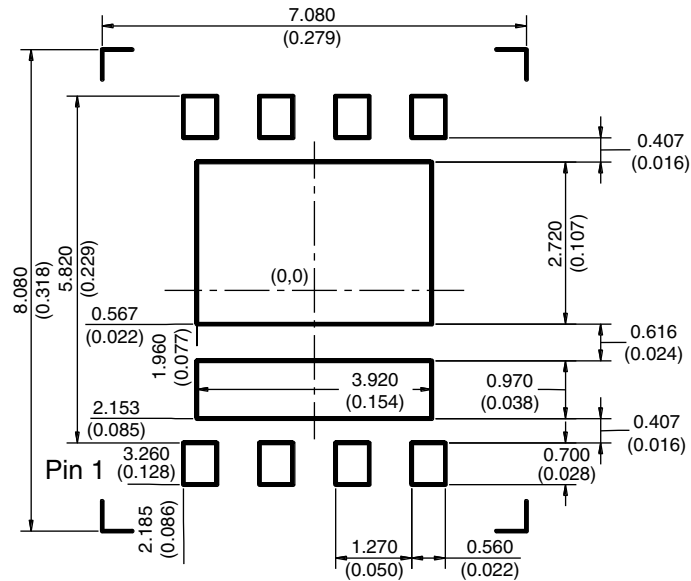


Recommended PAD for PowerPAIR 6 x 3.7
 Dimensions in inches (mm)
 Keep-out 0.3520 (8.94) x 0.4390 (11.151)

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Recommended Minimum Pad Patterns with Outline Drawing Access for Vishay Siliconix MOSFETs

RECOMMENDED MINIMUM PAD FOR PowerPAIR 6 x 5

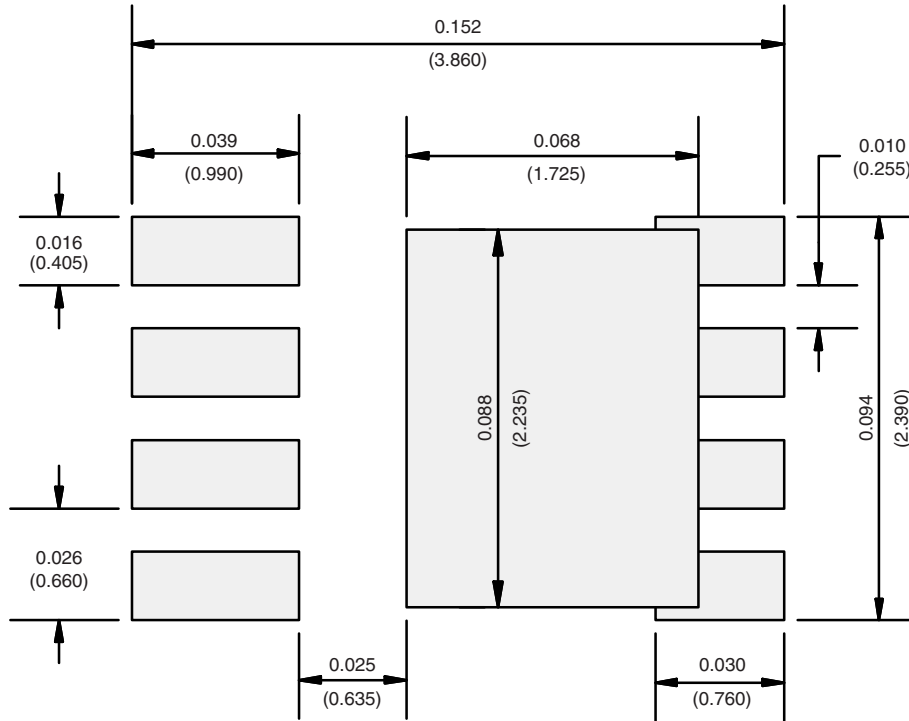


Recommended Minimum Pad
Dimensions in mm (inches)

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Recommended Minimum Pad Patterns with Outline Drawing Access for Vishay Siliconix MOSFETs

RECOMMENDED MINIMUM PADS FOR PowerPAK 1212-8 Single

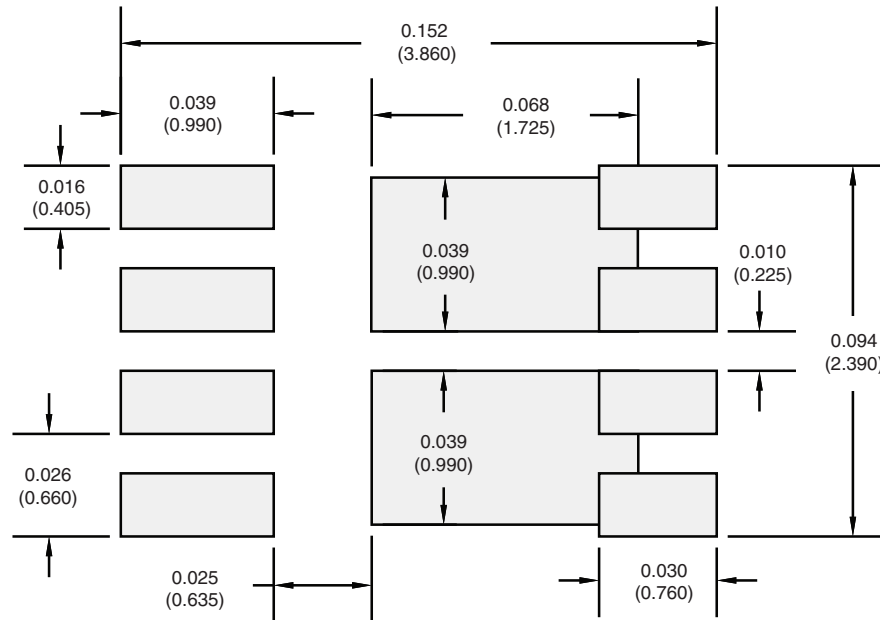


Recommended Minimum Pads
Dimensions in inches (mm)

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Recommended Minimum Pad Patterns with Outline Drawing Access for Vishay Siliconix MOSFETs

RECOMMENDED MINIMUM PADS FOR PowerPAK 1212-8 Dual

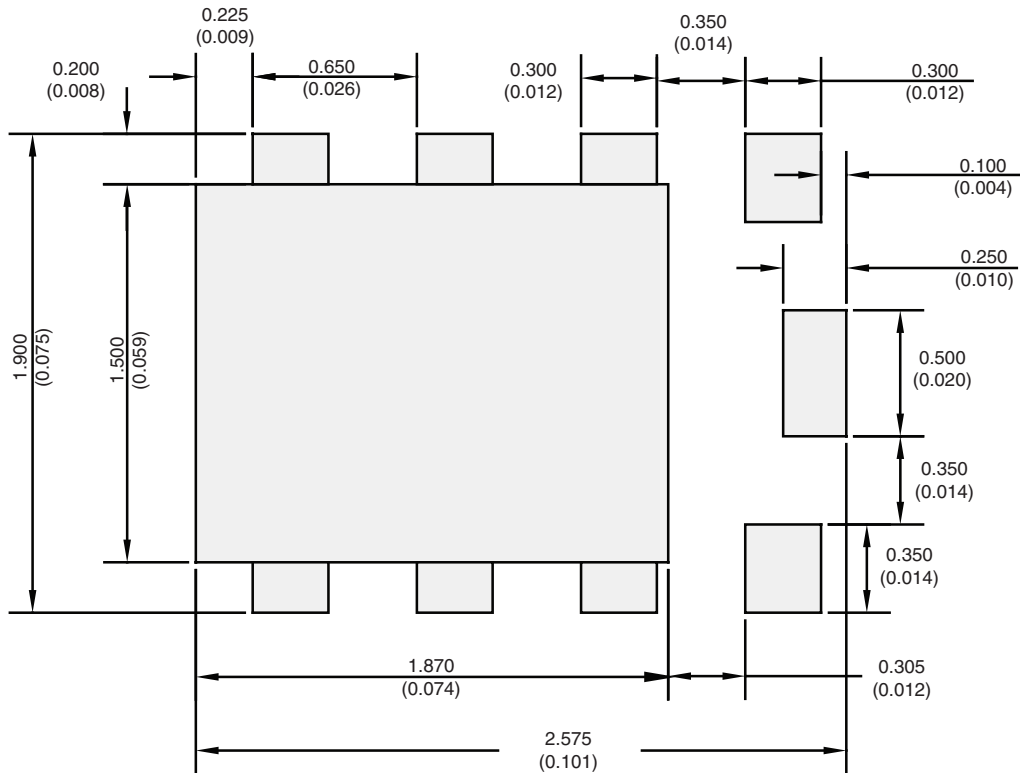


Recommended Minimum PADS for PowerPAK 1212-8 Dual
Dimensions in inches (mm)

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Recommended Minimum Pad Patterns with Outline Drawing Access for Vishay Siliconix MOSFETs

RECOMMENDED MINIMUM PADS FOR PowerPAK ChipFET Single

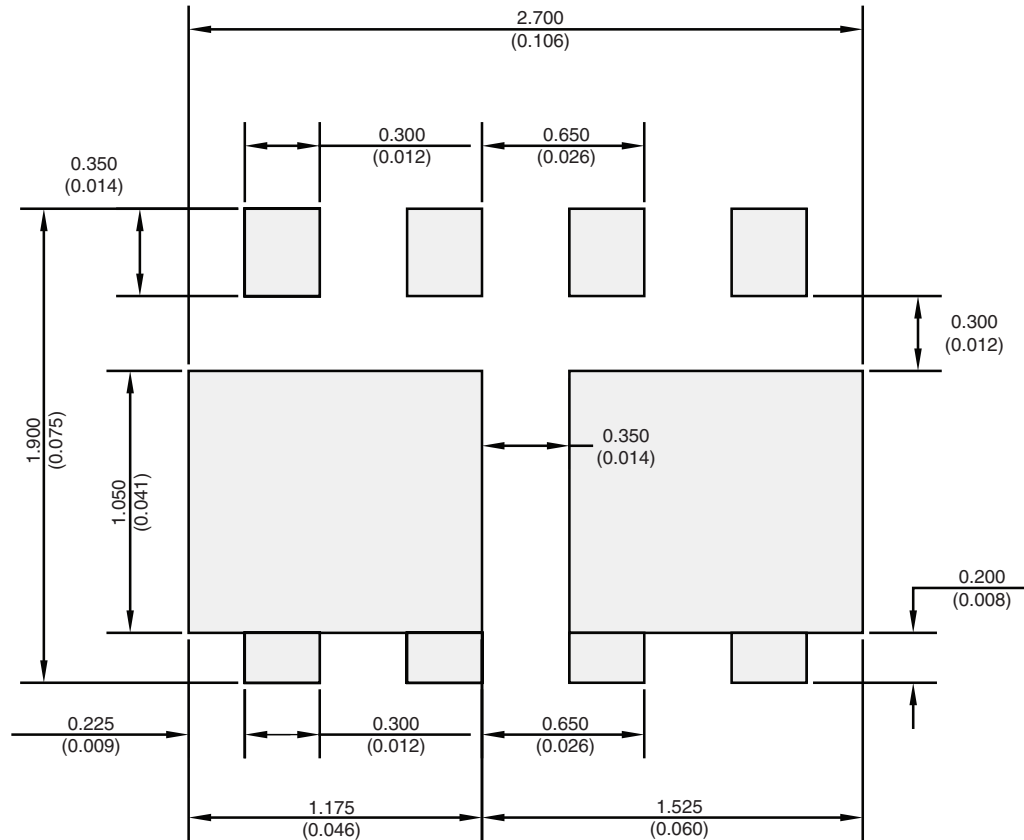


Recommended Minimum Pads
Dimensions in mm (inches)

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Recommended Minimum Pad Patterns with Outline Drawing Access for Vishay Siliconix MOSFETs

RECOMMENDED MINIMUM PADS FOR PowerPAK ChipFET Dual



Recommended Minimum Pads
Dimensions in mm (inches)

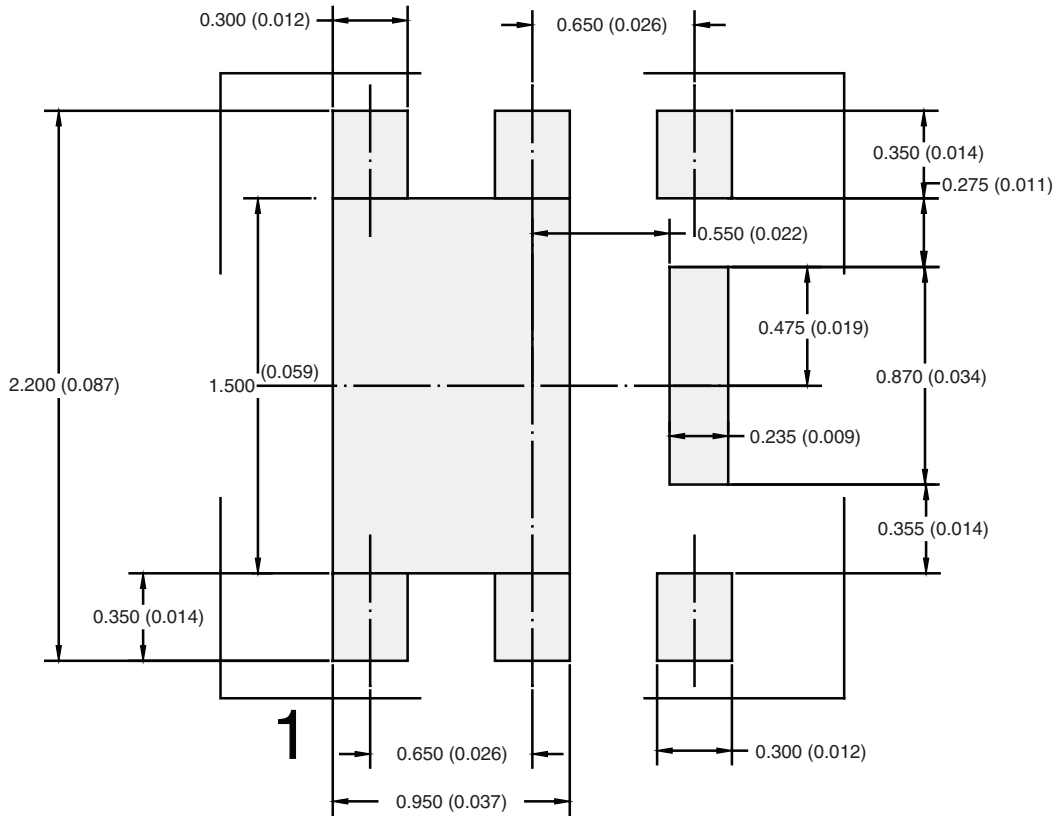
Note: This is Flipped Mirror Image
Pin #1 Location is Top Left Corner

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APPLICATION NOTE

Recommended Minimum Pad Patterns with Outline Drawing Access for Vishay Siliconix MOSFETs

RECOMMENDED PAD LAYOUT FOR PowerPAK SC70-6L Single

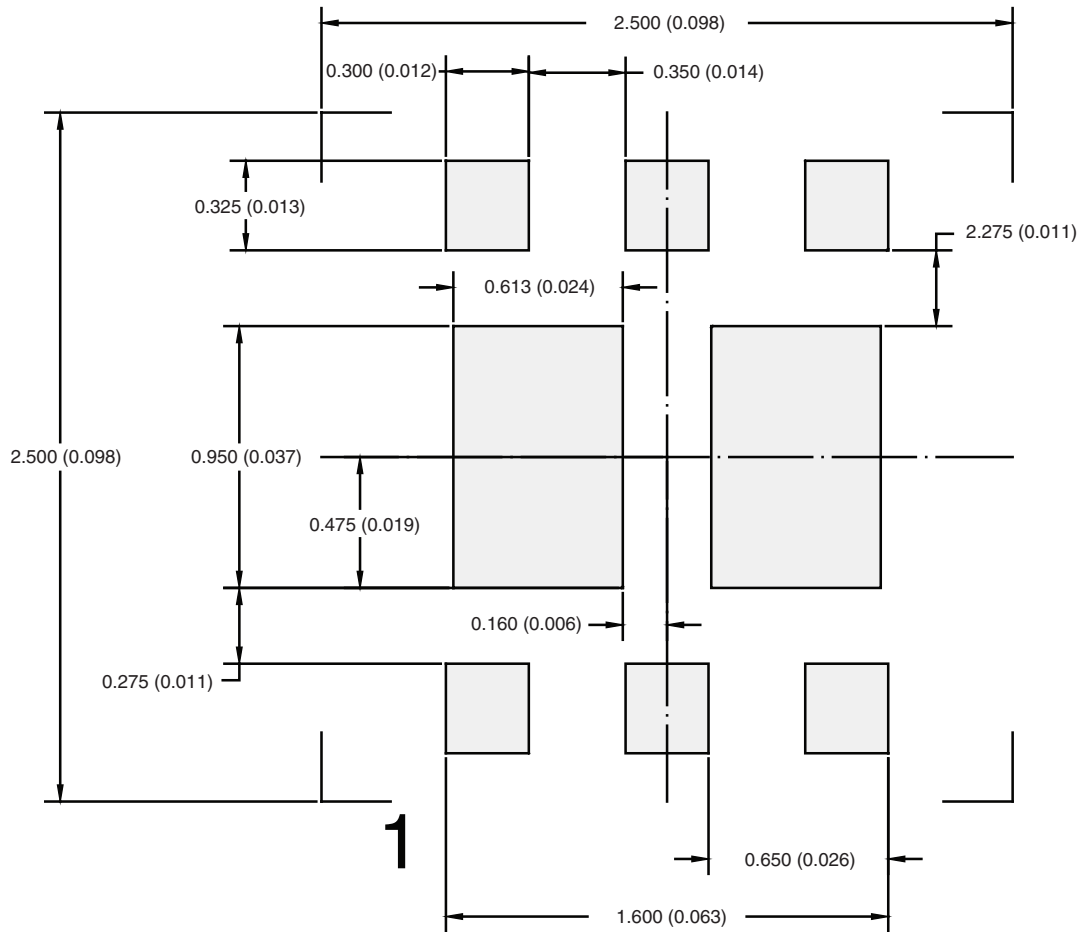


Dimensions in mm (inches)

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Recommended Minimum Pad Patterns with Outline Drawing Access for Vishay Siliconix MOSFETs

RECOMMENDED PAD LAYOUT FOR PowerPAK SC70-6L Dual

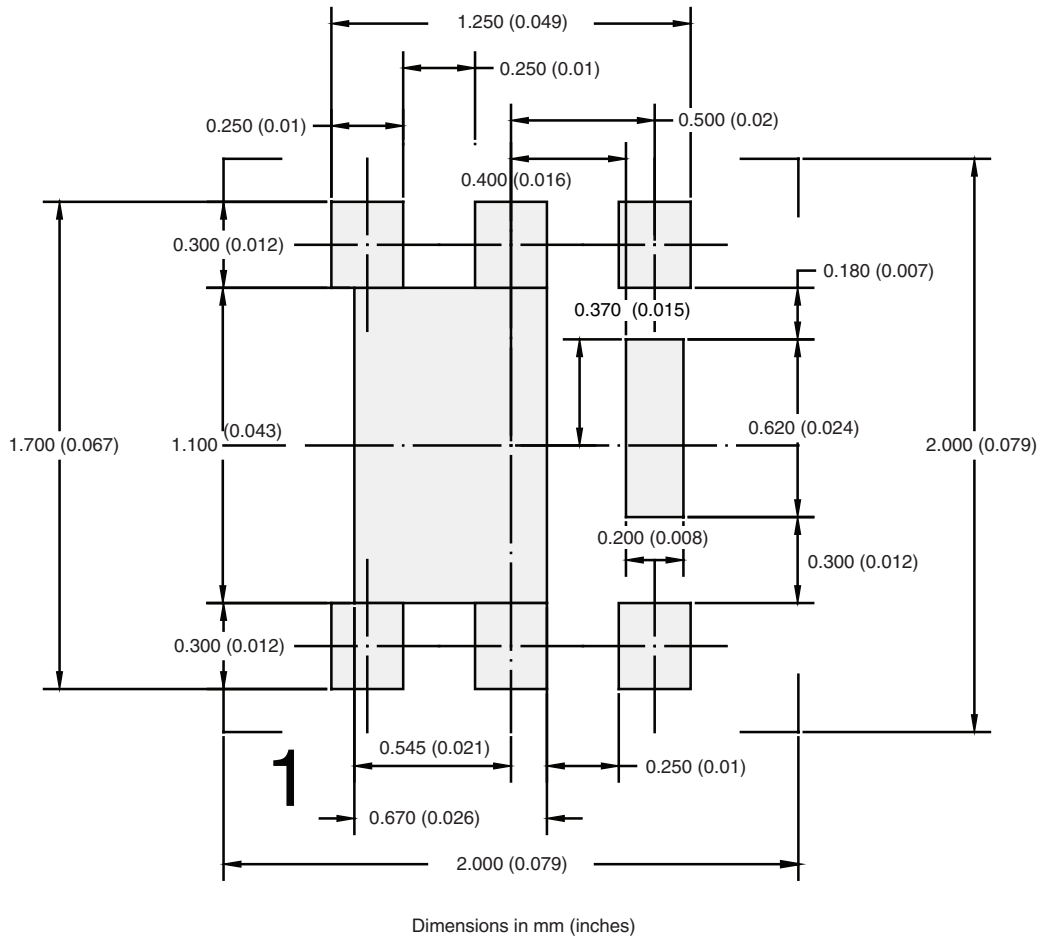


Dimensions in mm (inches)

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Recommended Minimum Pad Patterns with Outline Drawing Access for Vishay Siliconix MOSFETs

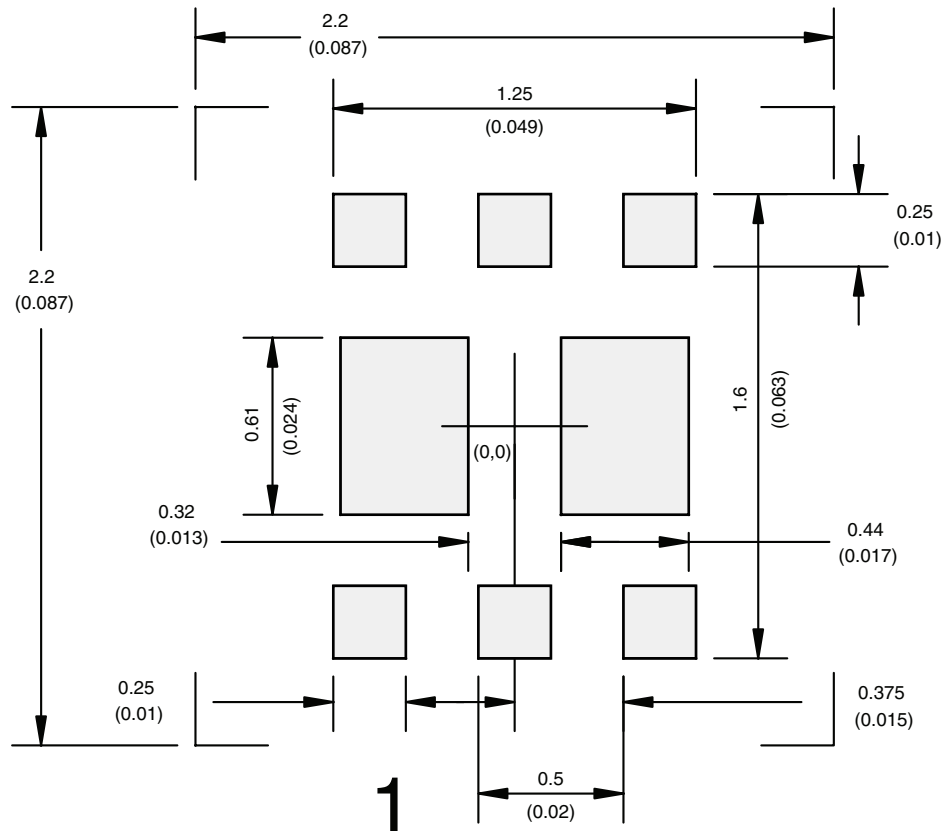
RECOMMENDED PAD LAYOUT FOR PowerPAK SC75-6L Single



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Recommended Minimum Pad Patterns with Outline Drawing Access for Vishay Siliconix MOSFETs

RECOMMENDED PAD LAYOUT FOR PowerPAK SC75-6L Dual

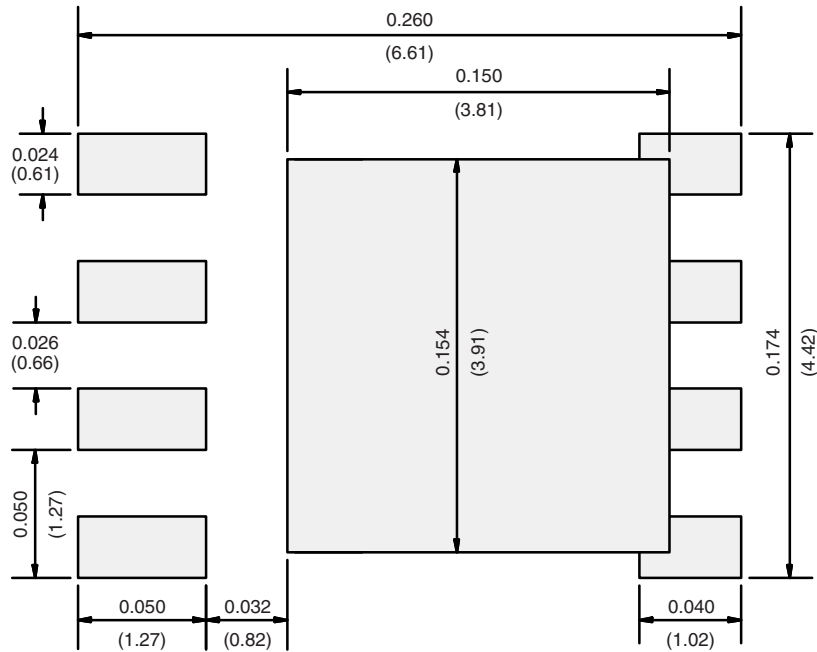


Dimensions in mm (inches)

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Recommended Minimum Pad Patterns with Outline Drawing Access for Vishay Siliconix MOSFETs

RECOMMENDED MINIMUM PADS FOR PowerPAK SO-8 Single

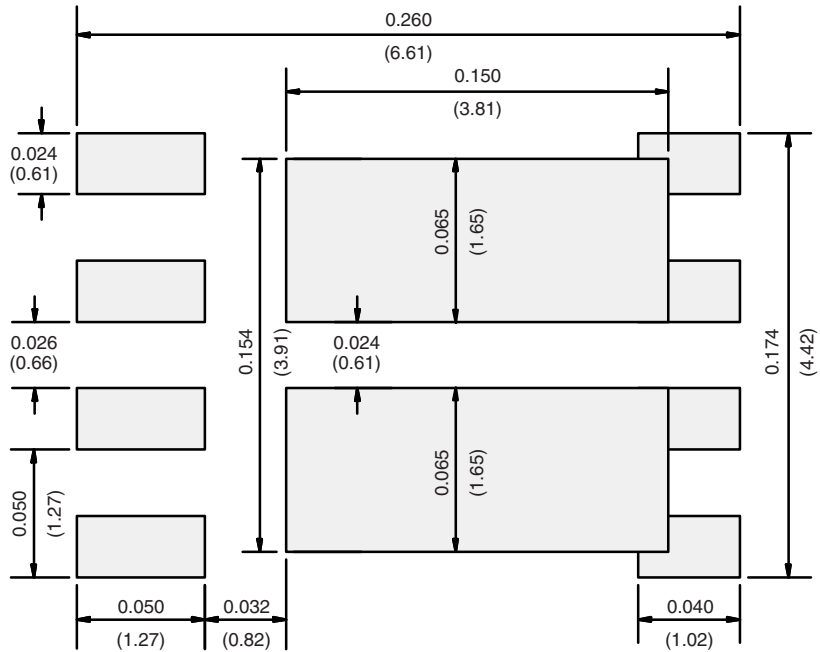


Recommended Minimum Pads
Dimensions in inches (mm)

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Recommended Minimum Pad Patterns with Outline Drawing Access for Vishay Siliconix MOSFETs

RECOMMENDED MINIMUM PADS FOR PowerPAK SO-8 Dual

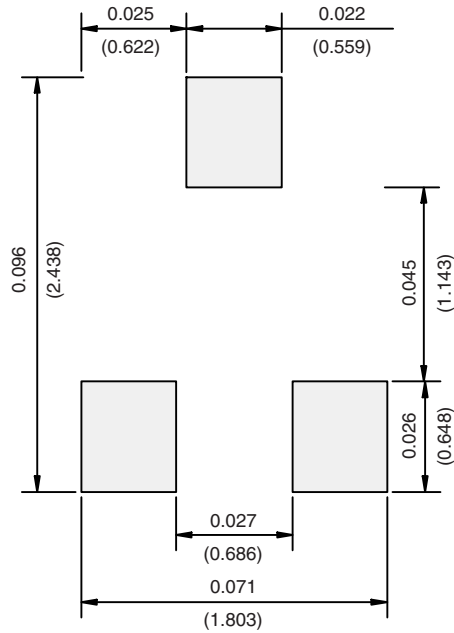


Recommended Minimum Pads
Dimensions in inches (mm)

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Recommended Minimum Pad Patterns with Outline Drawing Access for Vishay Siliconix MOSFETs

RECOMMENDED MINIMUM PADS FOR SC-70: 3-Lead

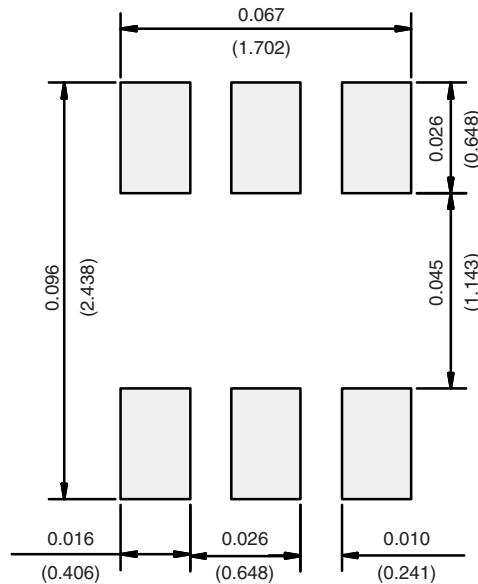


Recommended Minimum Pads
Dimensions in inches (mm)

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Recommended Minimum Pad Patterns with Outline Drawing Access for Vishay Siliconix MOSFETs

RECOMMENDED MINIMUM PADS FOR SC-70: 6-Lead

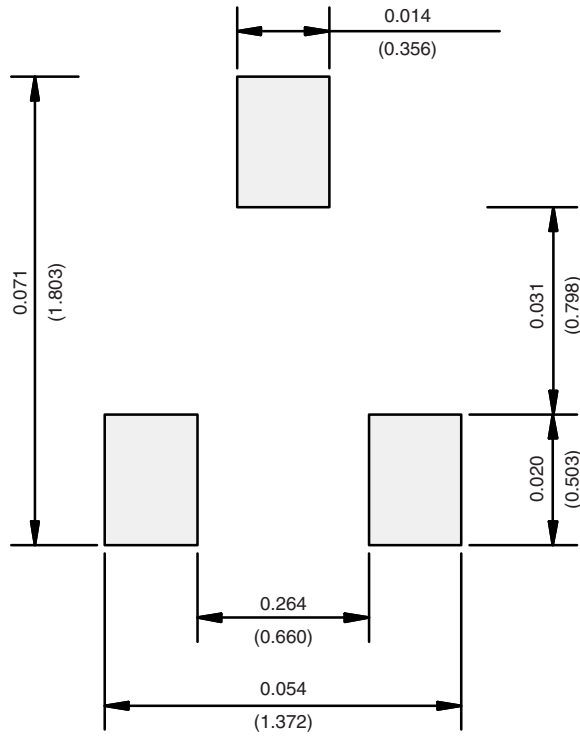


Recommended Minimum Pads
Dimensions in inches (mm)

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Recommended Minimum Pad Patterns with Outline Drawing Access for Vishay Siliconix MOSFETs

RECOMMENDED MINIMUM PADS FOR SC-75A: 3-Lead

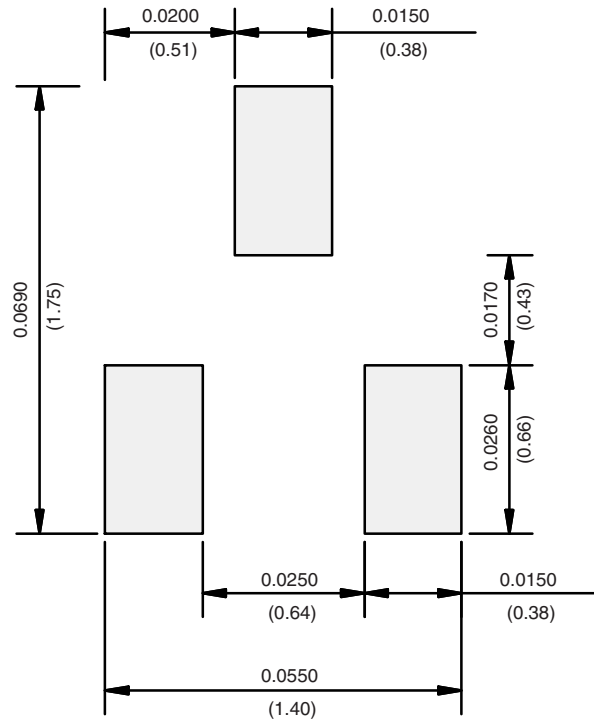


Recommended Minimum Pads
Dimensions in inches (mm)

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Recommended Minimum Pad Patterns with Outline Drawing Access for Vishay Siliconix MOSFETs

RECOMMENDED MINIMUM PADS FOR SC-89: 3-Lead

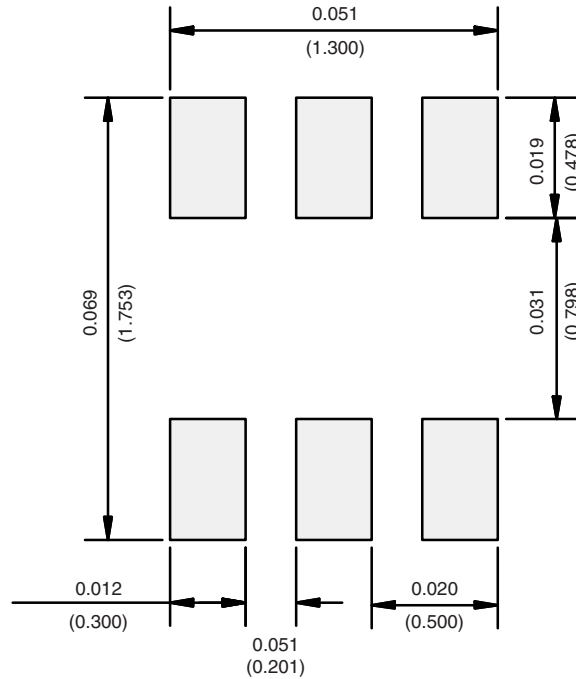


Recommended Minimum Pads
Dimensions in inches (mm)

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Recommended Minimum Pad Patterns with Outline Drawing Access for Vishay Siliconix MOSFETs

RECOMMENDED MINIMUM PADS FOR SC-89: 6-Lead

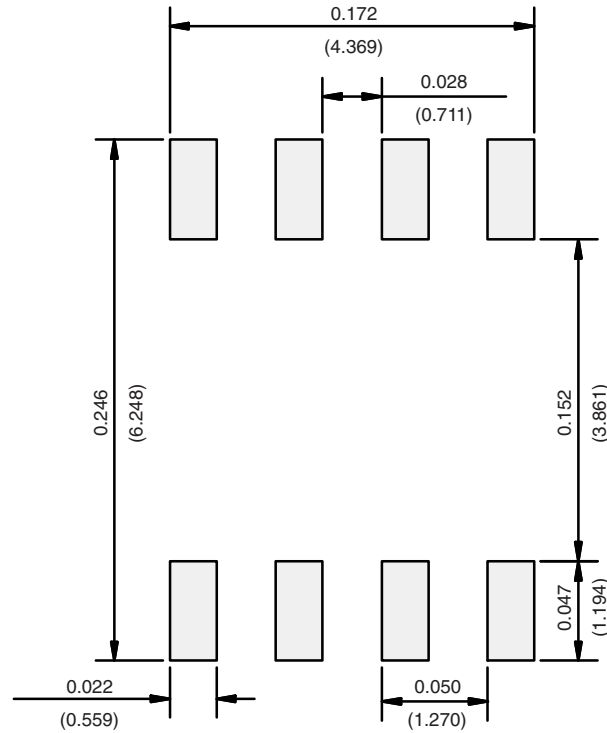


Recommended Minimum Pads
Dimensions in inches (mm)

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Recommended Minimum Pad Patterns with Outline Drawing Access for Vishay Siliconix MOSFETs

RECOMMENDED MINIMUM PADS FOR SO-8

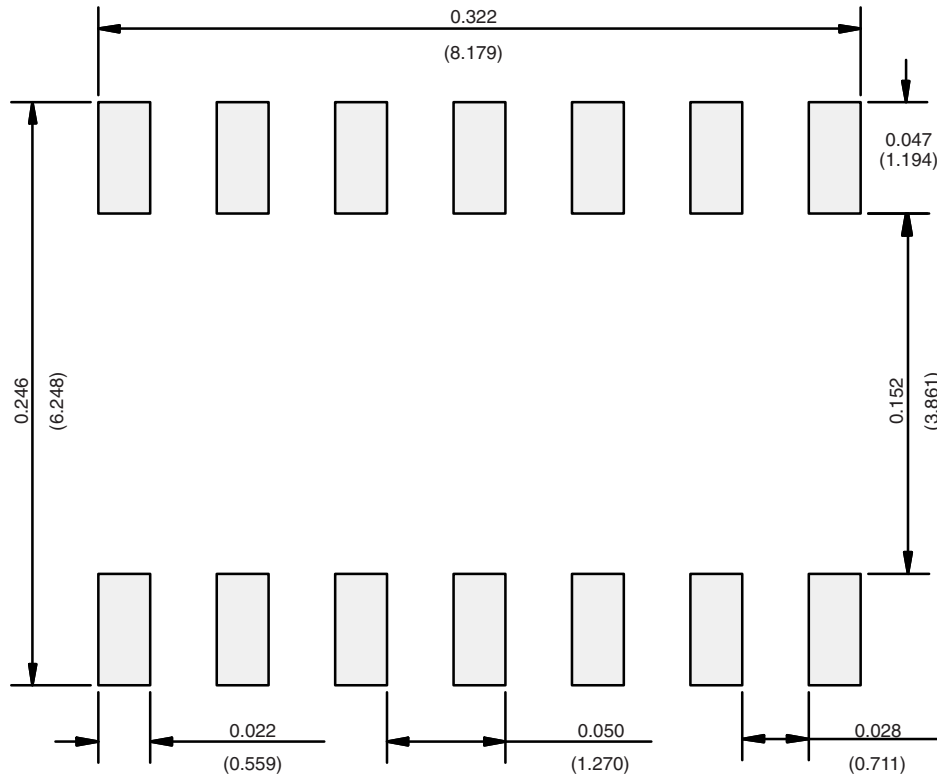


Recommended Minimum Pads
Dimensions in inches (mm)

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Recommended Minimum Pad Patterns with Outline Drawing Access for Vishay Siliconix MOSFETs

RECOMMENDED MINIMUM PADS FOR SO-14

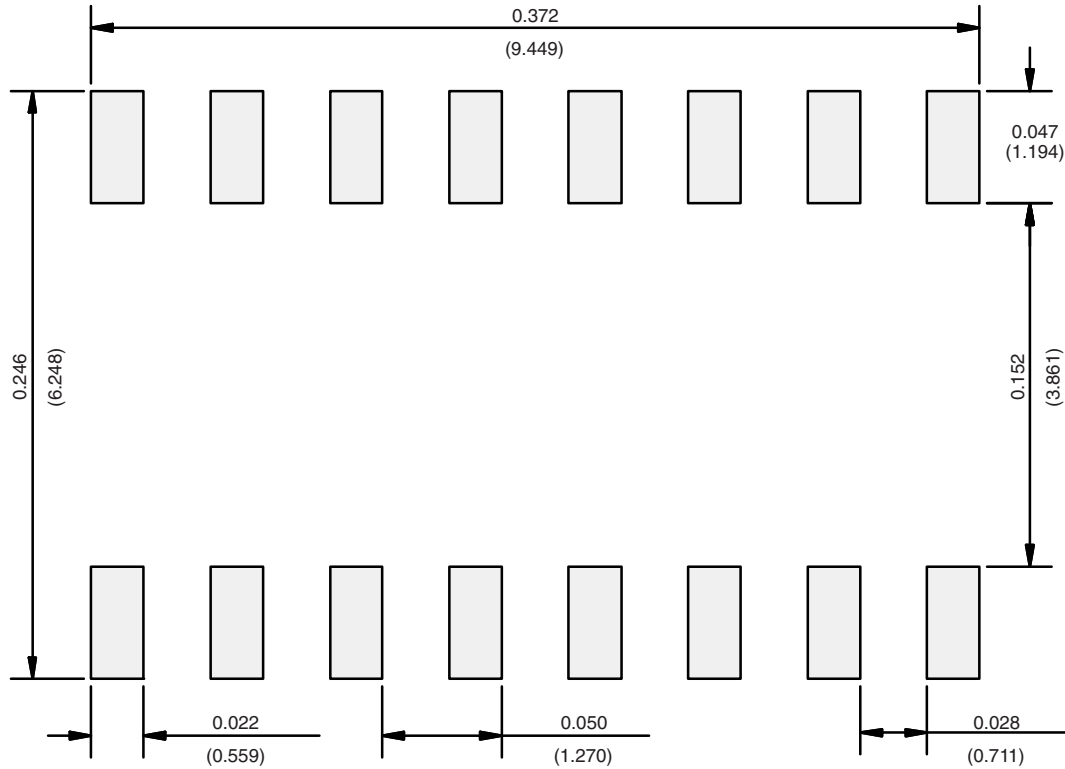


Recommended Minimum Pads
Dimensions in inches (mm)

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Recommended Minimum Pad Patterns with Outline Drawing Access for Vishay Siliconix MOSFETs

RECOMMENDED MINIMUM PADS FOR SO-16

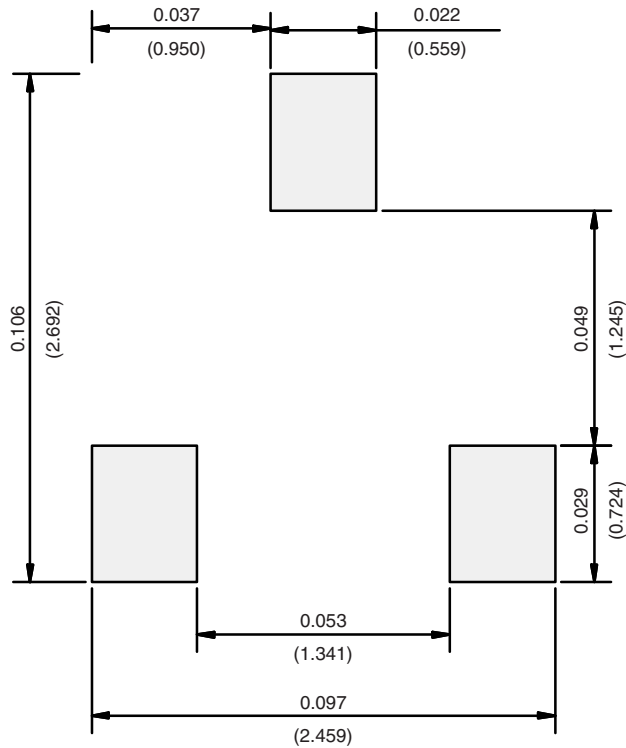


Recommended Minimum Pads
Dimensions in inches (mm)

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Recommended Minimum Pad Patterns with Outline Drawing Access for Vishay Siliconix MOSFETs

RECOMMENDED MINIMUM PADS FOR SOT-23

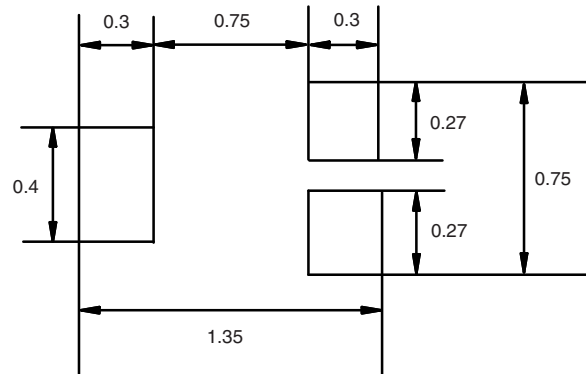


Recommended Minimum Pads
Dimensions in Inches (mm)

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Recommended Minimum Pad Patterns with Outline Drawing Access for Vishay Siliconix MOSFETs

RECOMMENDED MINIMUM PADS FOR SOT-923

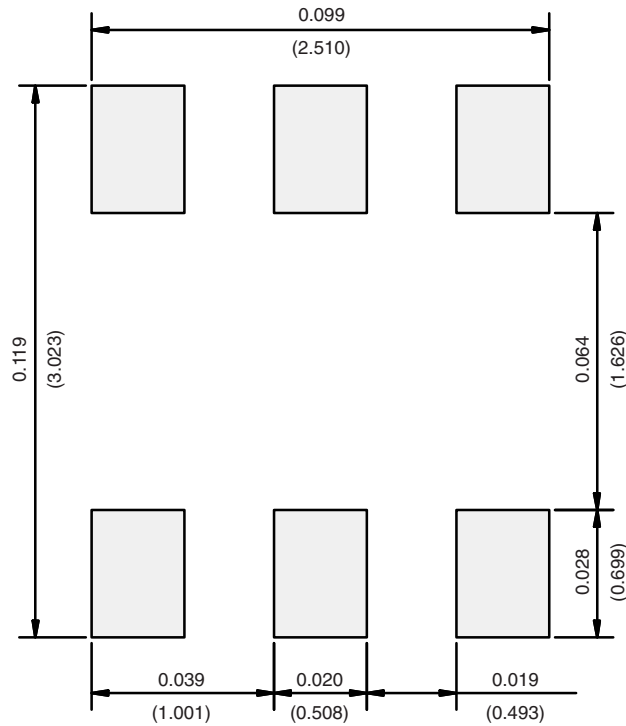


Recommended Minimum Pads
Dimensions in mm

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Recommended Minimum Pad Patterns with Outline Drawing Access for Vishay Siliconix MOSFETs

RECOMMENDED MINIMUM PADS FOR TSOP-6

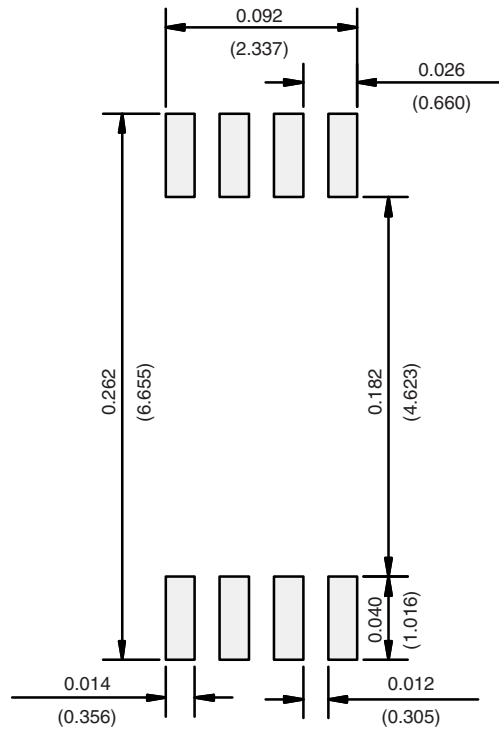


Recommended Minimum Pads
Dimensions in inches (mm)

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Recommended Minimum Pad Patterns with Outline Drawing Access for Vishay Siliconix MOSFETs

RECOMMENDED MINIMUM PADS FOR TSSOP-8



Recommended Minimum Pads
Dimensions in inches (mm)

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