



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.

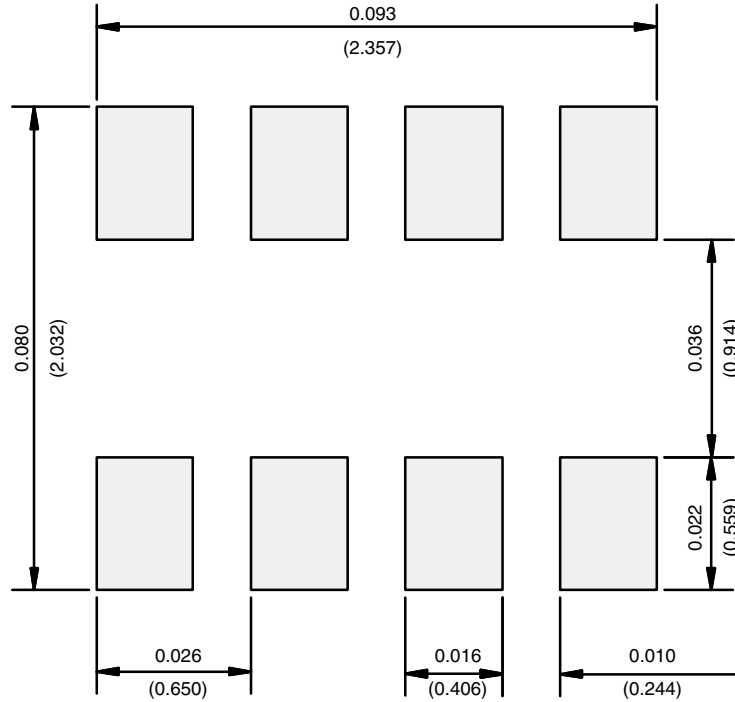
PACKAGE DRAWING DOCUMENT INDEX		
PACKAGE	MINIMUM PAD PATTERN	OUTLINE DRAWING URL
1206-8 ChipFET®	Page 2	www.vishay.com/doc?71151
DKPAK (TO-252)	Page 3	www.vishay.com/doc?71197
DKPAK (TO-252-4L)	Page 4	www.vishay.com/doc?74439
D ² PAK 3-Leads	Page 5	www.vishay.com/doc?71198
D ² PAK 5-Leads	Page 6	(SUB) www.vishay.com/doc?71199
		(SUM) www.vishay.com/doc?71602
		(Option L) www.vishay.com/doc?72945
PolarPAK®	Page 7	(Option S) www.vishay.com/doc?73398
		(Option SH) www.vishay.com/doc?68798
PolarPAK (xH Options)	Page 8	
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	
PowerPAK 1212-8 Dual	Page 13	www.vishay.com/doc?71656
PowerPAK 8 x 8	Page 14	www.vishay.com/doc?67859
PowerPAK 8 x 8L Single	Page 15	
PowerPAK 8 x 8L Dual	Page 16	www.vishay.com/doc?67734
PowerPAK ChipFET Single	Page 17	
PowerPAK ChipFET Dual	Page 18	www.vishay.com/doc?73203
PowerPAK SC-70 6-Leads Single	Page 19	
PowerPAK SC-70 6-Leads Dual	Page 20	www.vishay.com/doc?73001
PowerPAK SC-75 6-Leads Single	Page 21	
PowerPAK SC-75 6-Leads Dual	Page 22	www.vishay.com/doc?73000
PowerPAK SO-8 Single	Page 23	
PowerPAK SO-8 Dual	Page 24	www.vishay.com/doc?71655
PowerPAK SO-8L Single	Page 25	
PowerPAK SO-8L Dual	Page 26	www.vishay.com/doc?69003
PowerPAK SO-8L Dual Asymmetric	Page 27	www.vishay.com/doc?62714
SC-70 3-Leads	Page 28	www.vishay.com/doc?71153
SC-70 6-Leads	Page 29	www.vishay.com/doc?71154
SC-75A 3-Leads	Page 30	www.vishay.com/doc?71348
SC-89 3-Leads	Page 31	www.vishay.com/doc?71377
SC-89 6-Leads	Page 32	www.vishay.com/doc?71612
SO-8	Page 33	www.vishay.com/doc?71192
SO-14	Page 34	www.vishay.com/doc?71193
SO-16	Page 35	www.vishay.com/doc?71194
SOT-23	Page 36	www.vishay.com/doc?71196
SOT-923	Page 37	www.vishay.com/doc?64983
TSOP-6	Page 38	www.vishay.com/doc?71200
TSSOP-8	Page 39	www.vishay.com/doc?71201
TSSOP-16	Page 40	www.vishay.com/doc?74417

APPLICATION NOTE



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

RECOMMENDED MINIMUM PADS FOR 1206-8 ChipFET

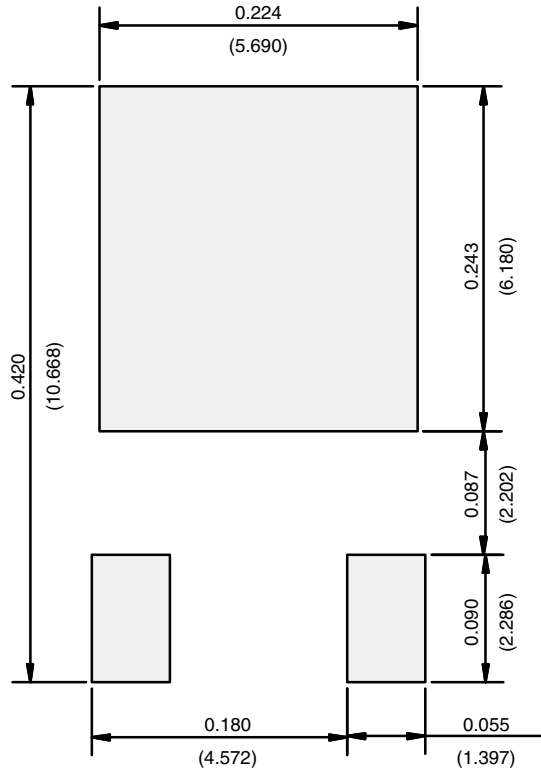


Dimensions in inches (mm)

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

RECOMMENDED MINIMUM PADS FOR DPAK (TO-252)



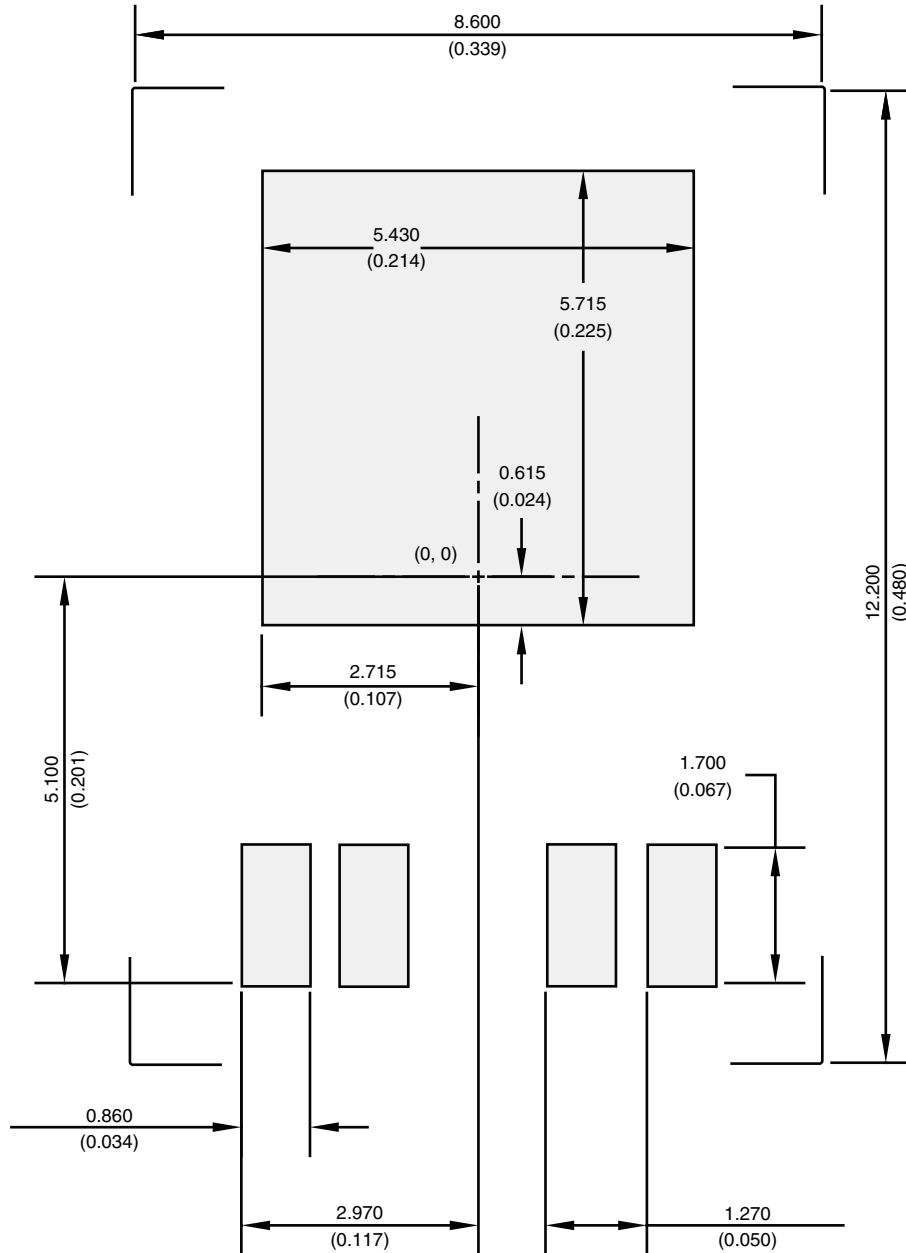
Dimensions in inches (mm)

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

RECOMMENDED PAD FOR DPAK (TO-252-4L)

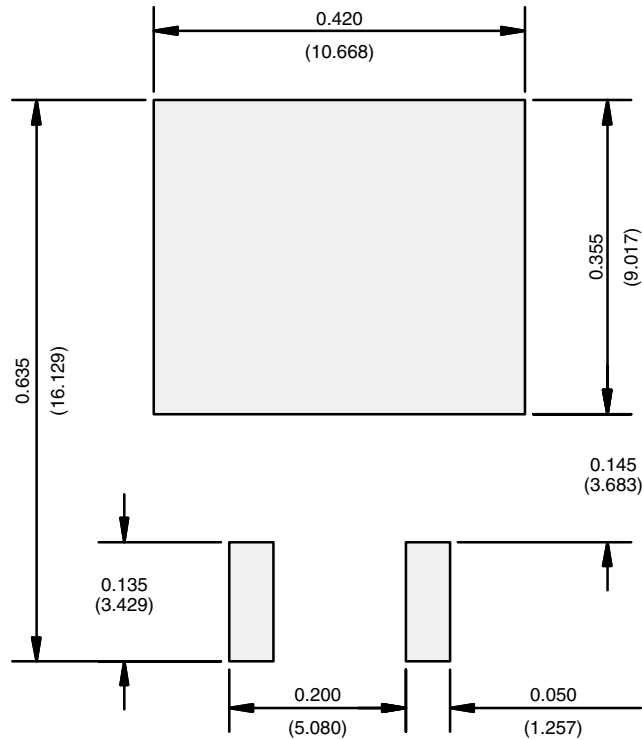


Dimensions in mm (inches)
Keep-out 8.6 (0.339) x 12.2 (0.480)

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

RECOMMENDED MINIMUM PADS FOR D²PAK 3-LEADS



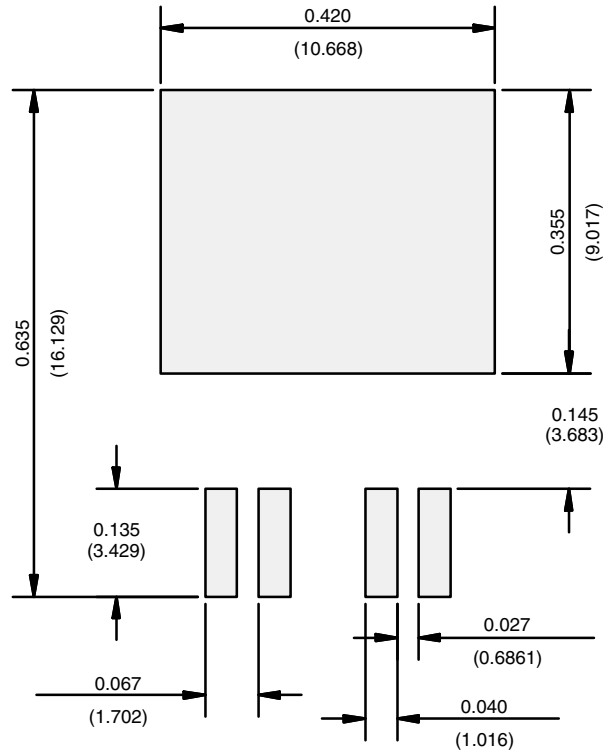
Dimensions in inches (mm)

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

RECOMMENDED MINIMUM PADS FOR D²PAK 5-LEADS



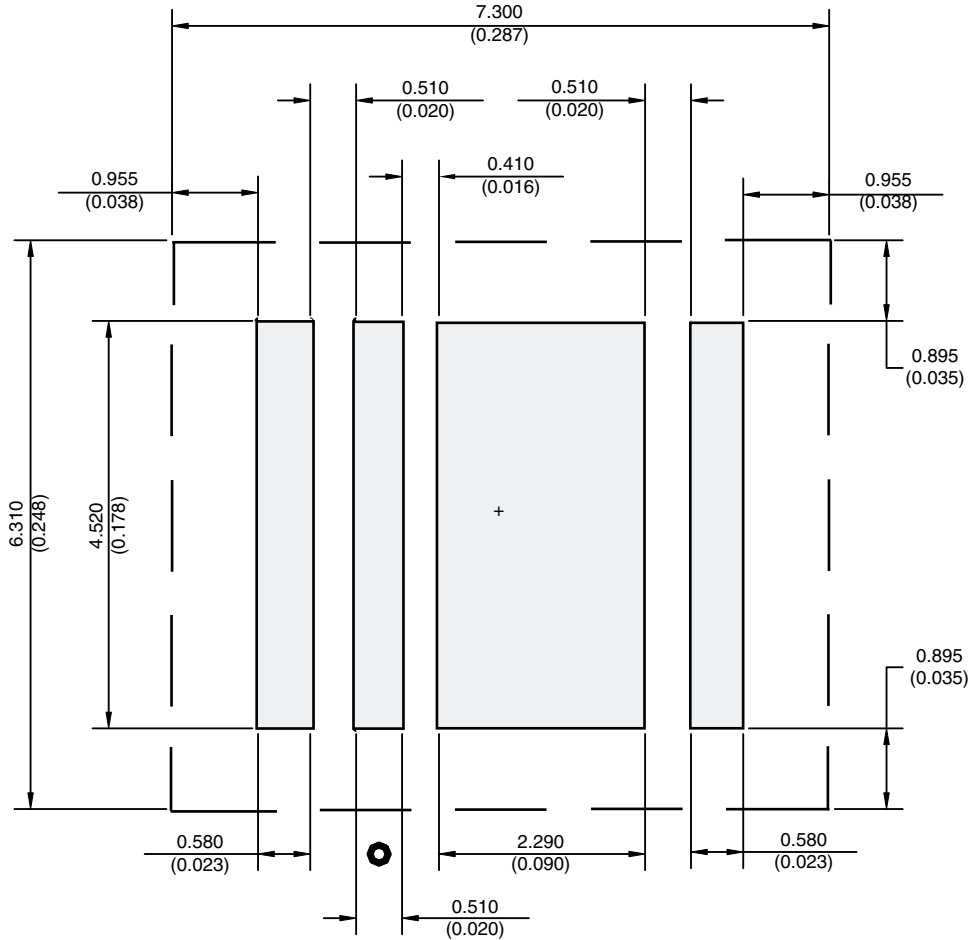
Dimensions in inches (mm)

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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



Dimensions in mm (inches)
 No external traces within broken lines
 Dot indicates gate pin (part marking)

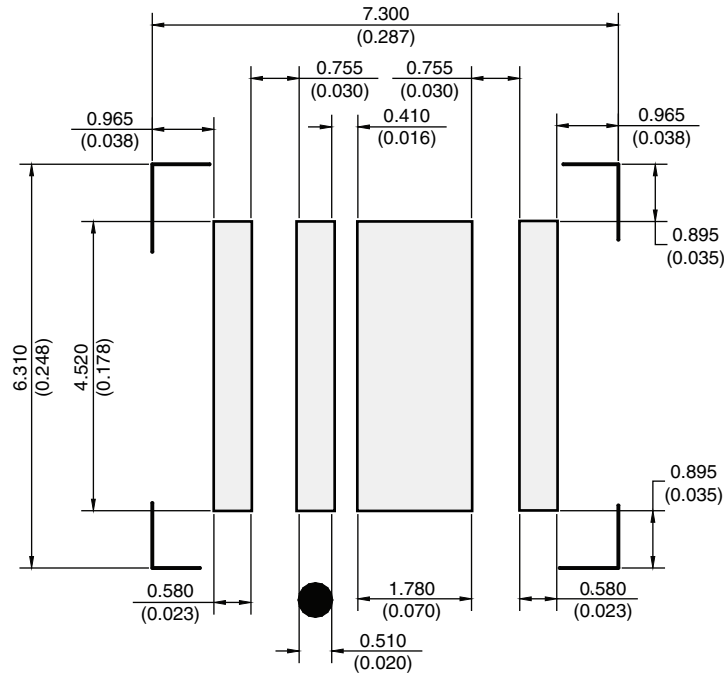
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APPLICATION NOTE



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

RECOMMENDED MINIMUM PADS FOR HIGH VOLTAGE PolarPAK OPTION xH



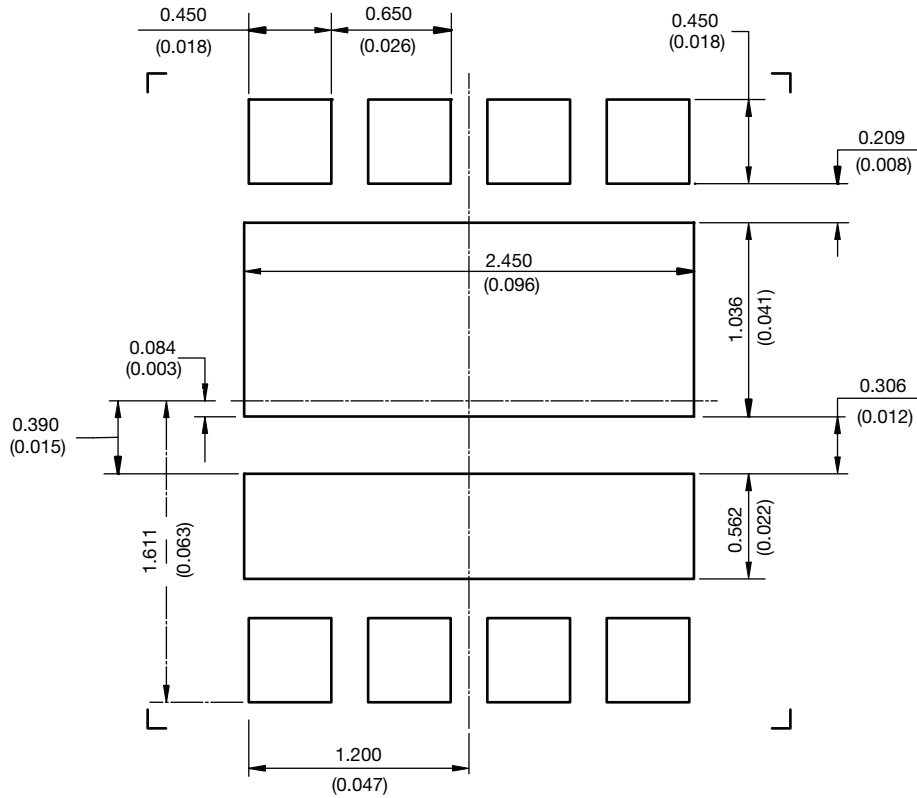
Dimensions in mm (inches)
 No external traces within border corners
 Dot indicate gate pin (part marking)

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

RECOMMENDED PAD FOR PowerPAIR 3 x 3



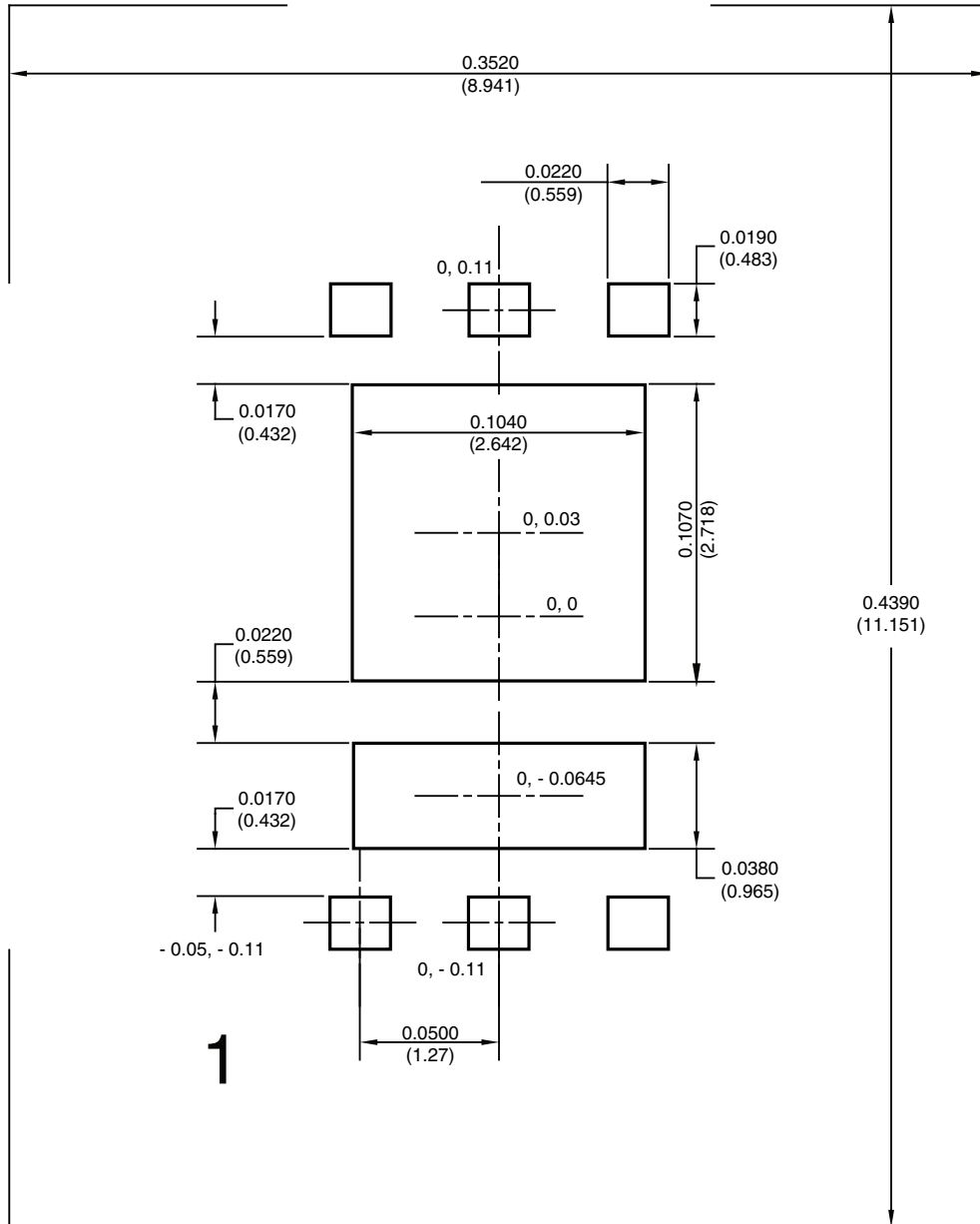
Dimensions in millimeters (inches)
Keep-Out 3.5 mm x 3.5 mm for non terminating traces

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

RECOMMENDED PAD FOR PowerPAIR 6 x 3.7

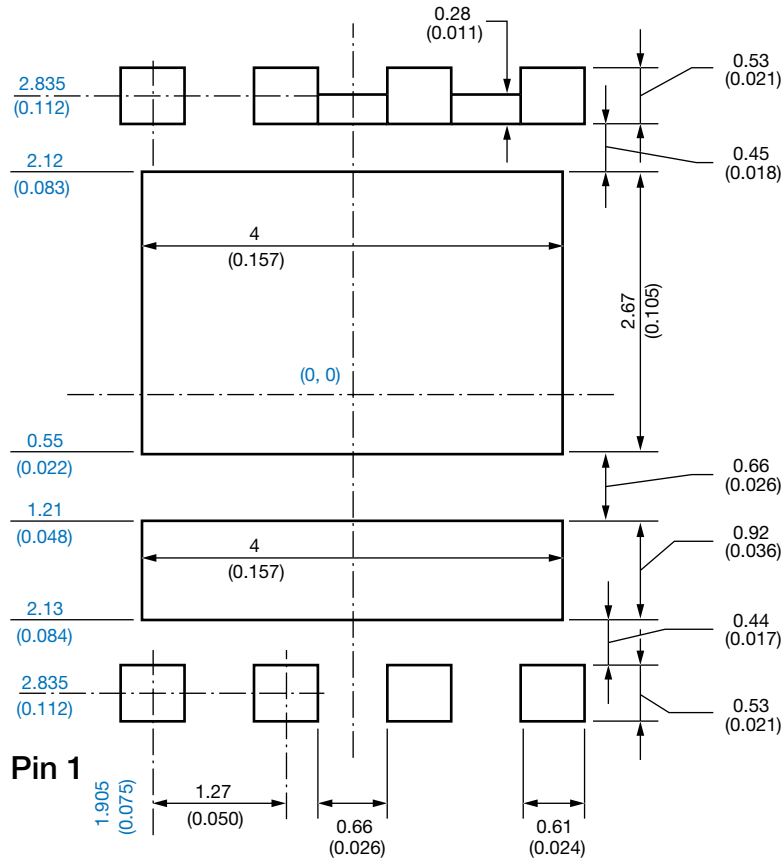


Dimensions in inches (mm)
Keep-out 0.3520 (8.94) x 0.4390 (11.151)

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

RECOMMENDED MINIMUM PAD FOR PowerPAIR 6 x 5



Dimensions in millimeters (inch)

Note

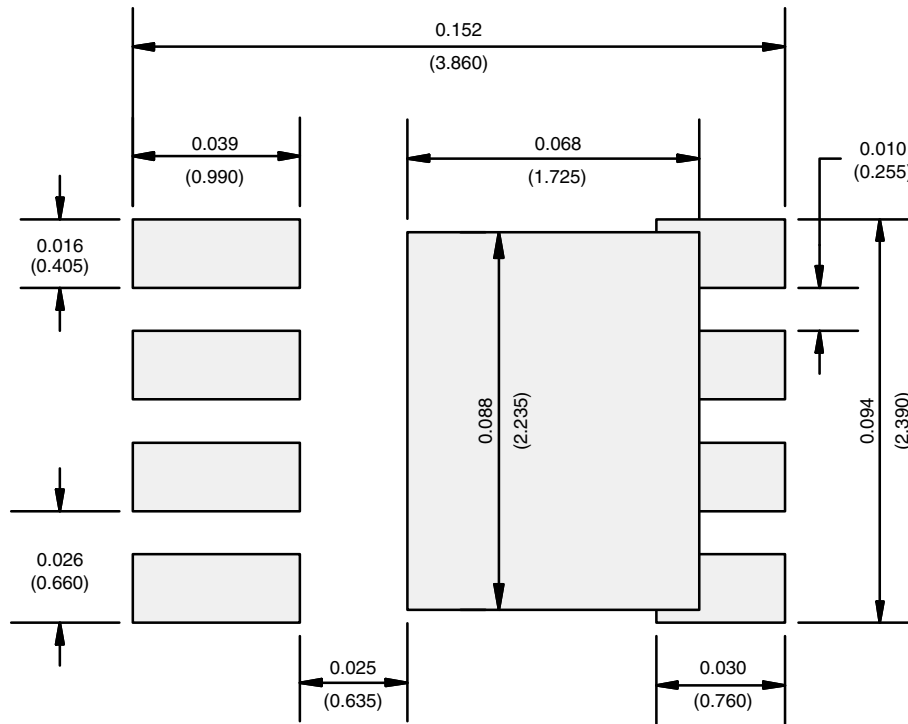
- Linear dimensions are in black, the same information is provided in ordinate dimensions which are in blue.

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

RECOMMENDED MINIMUM PADS FOR PowerPAK 1212-8 SINGLE



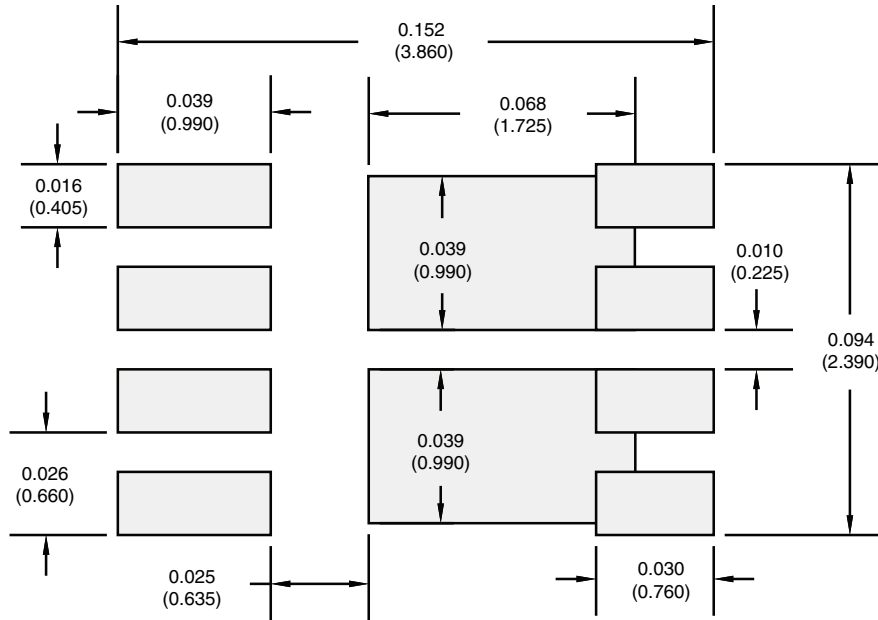
Dimensions in inches (mm)

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

RECOMMENDED MINIMUM PADS FOR PowerPAK 1212-8 DUAL



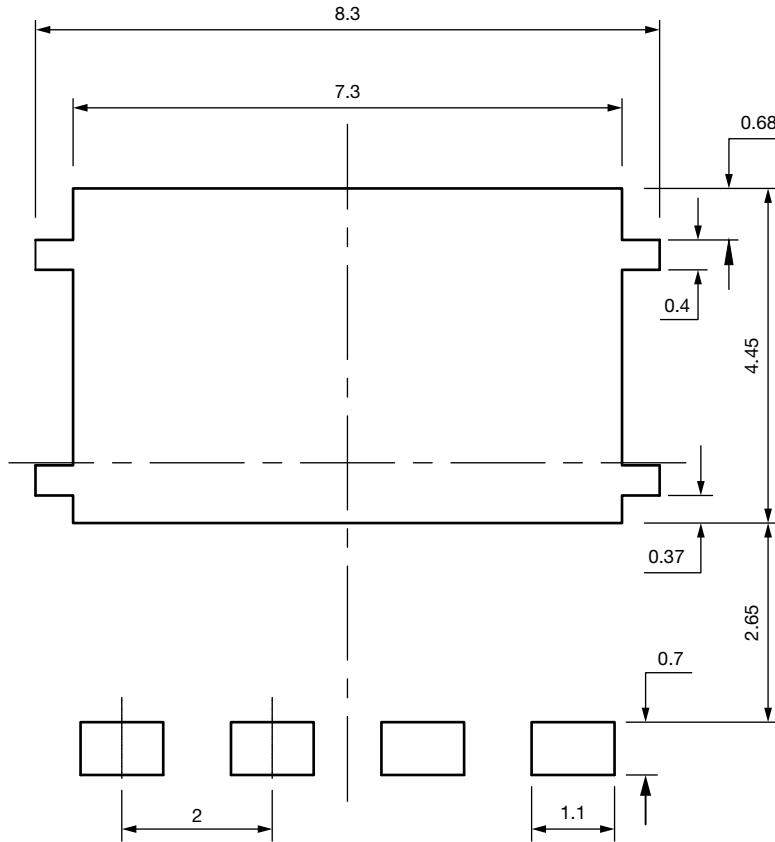
Dimensions in inches (mm)

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

RECOMMENDED MINIMUM PADS FOR PowerPAK 8 x 8



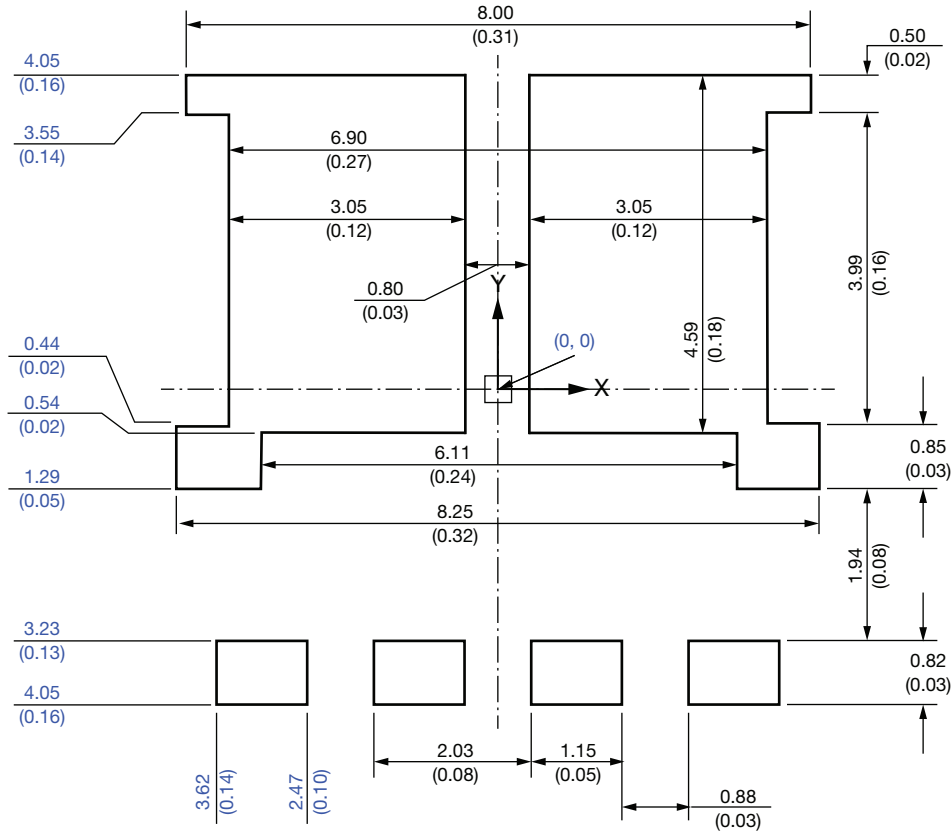
Dimensions in millimeters

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

RECOMMENDED MINIMUM PADS FOR PowerPAK 8 x 8L DUAL



Dimensions in millimeters (inches)

Note

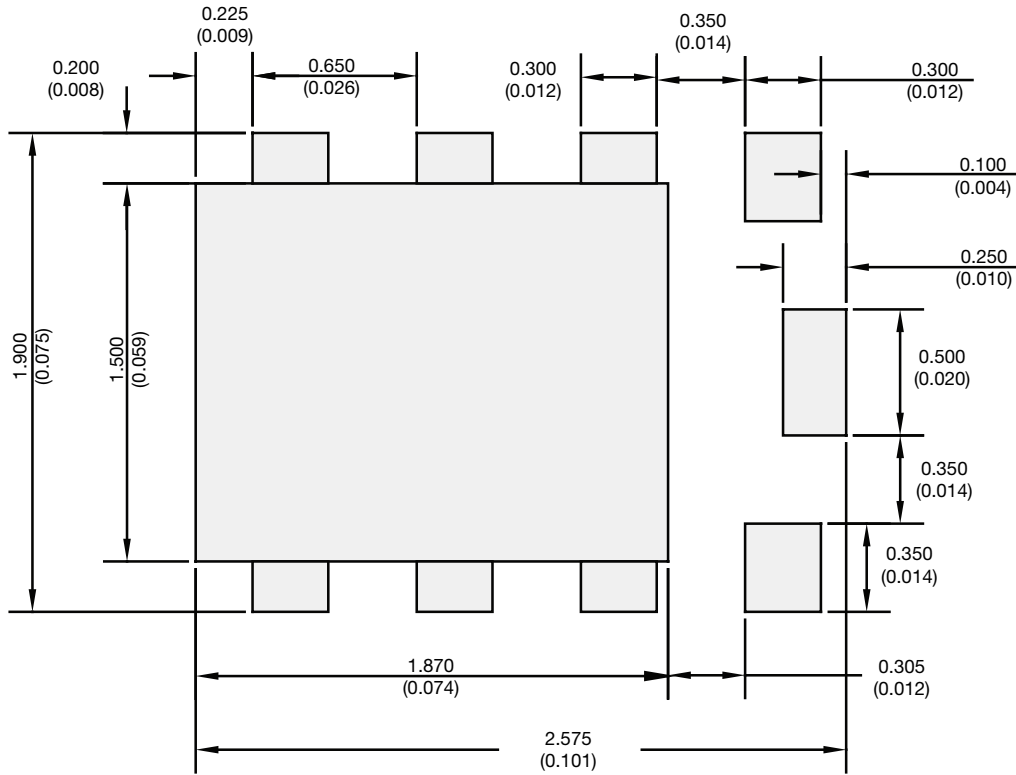
- Linear dimensions are in black, the same information is provided in ordinate dimensions which are in blue.

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

RECOMMENDED MINIMUM PADS FOR PowerPAK ChipFET SINGLE

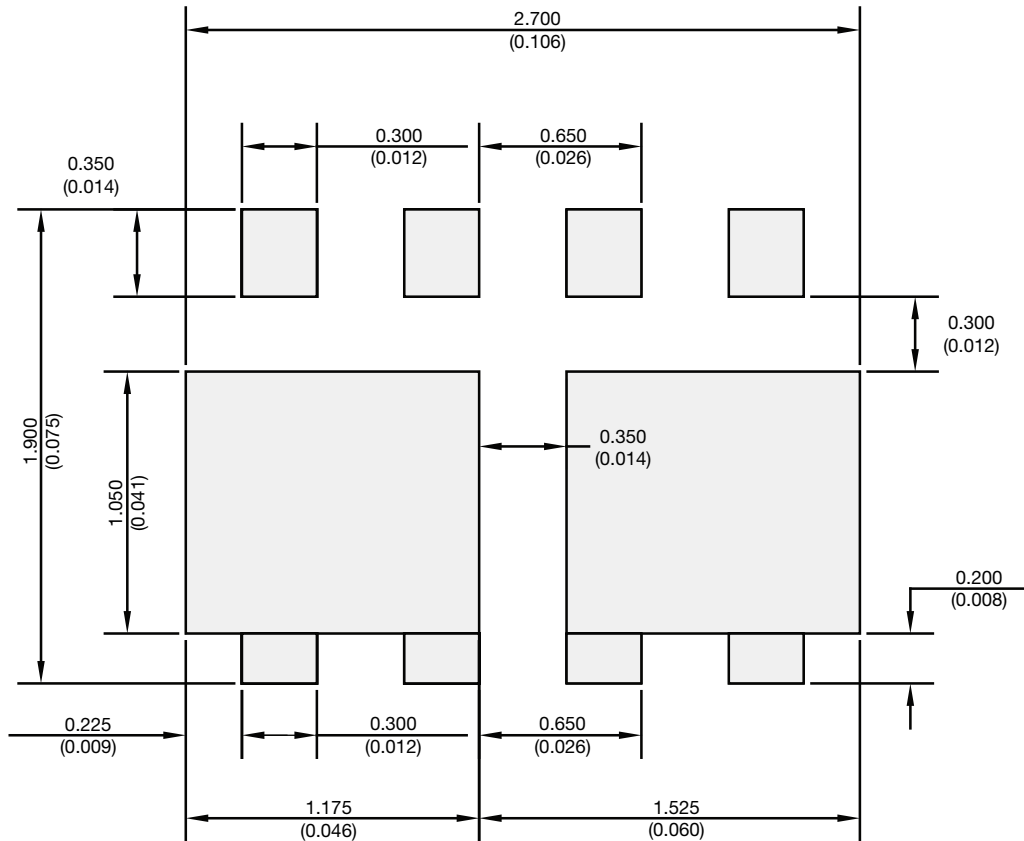


Dimensions in mm (inches)

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

RECOMMENDED MINIMUM PADS FOR PowerPAK ChipFET DUAL



Dimensions in mm (inches)

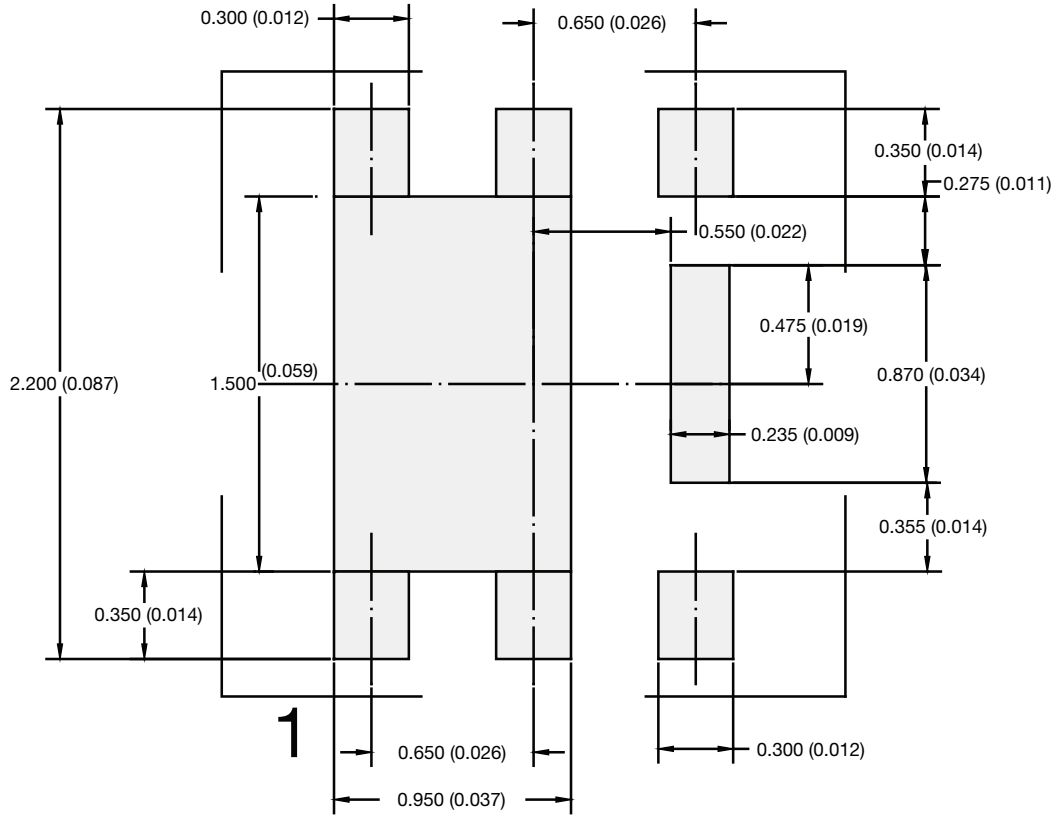
Notes

- This is flipped mirror image.
- Pin #1 location is top left corner.

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

RECOMMENDED MINIMUM PADS FOR PowerPAK SC-70 6-LEADS SINGLE



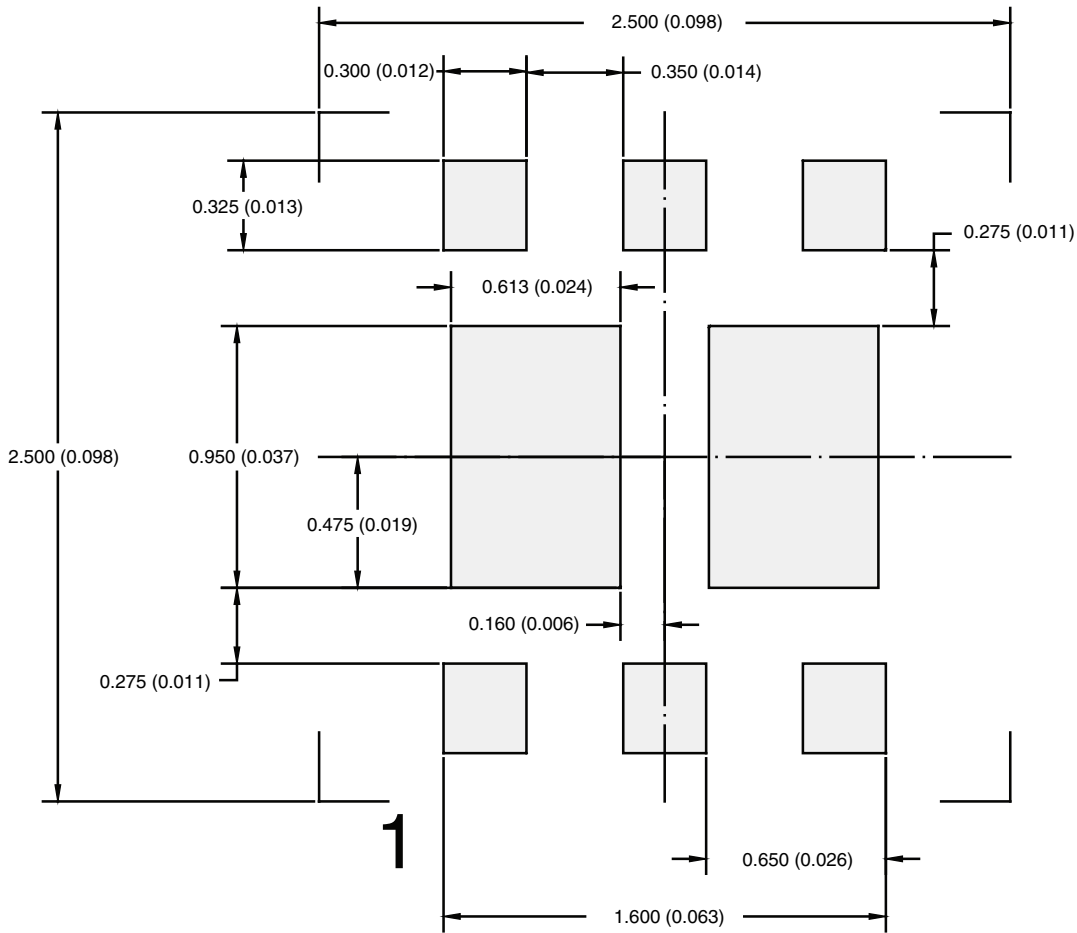
Dimensions in mm (inches)

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

RECOMMENDED MINIMUM PADS FOR PowerPAK SC-70 6-LEADS DUAL



Dimensions in mm (inches)

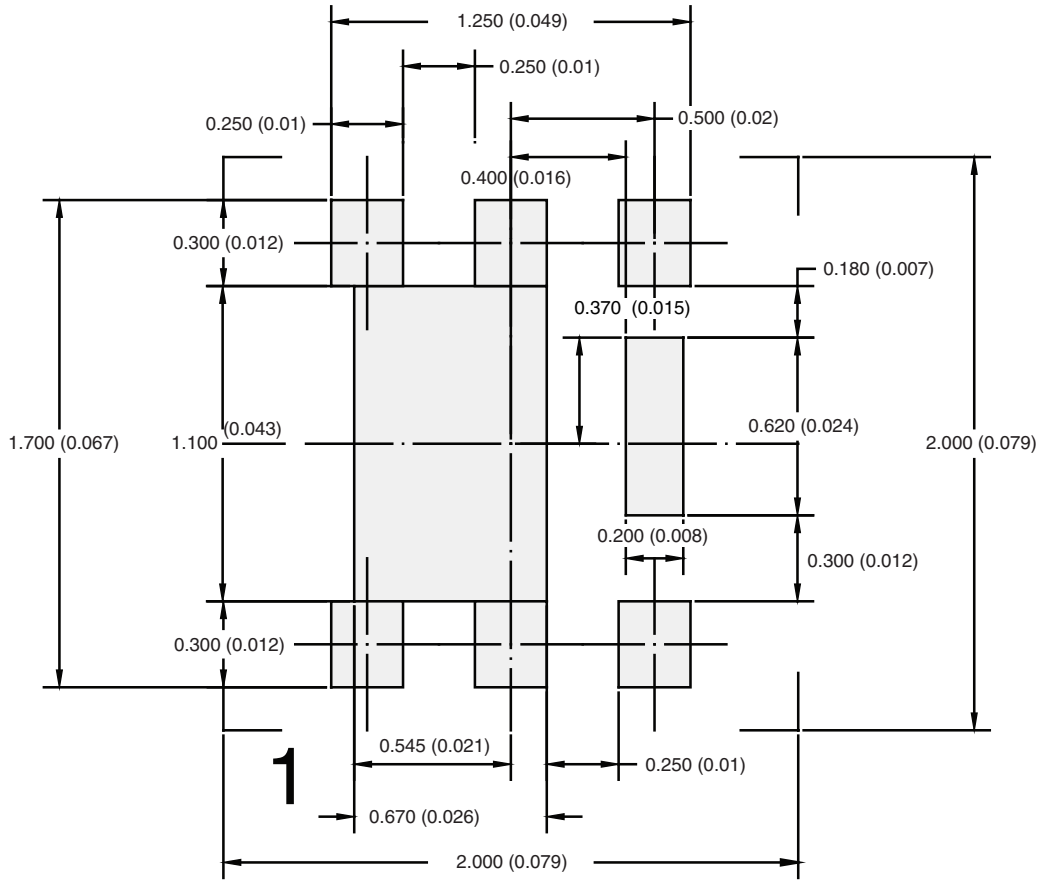
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Recommended Minimum Pad Patterns with Outline Drawing Access for Vishay Siliconix MOSFETs

RECOMMENDED MINIMUM PADS FOR PowerPAK SC-75 6-LEADS SINGLE



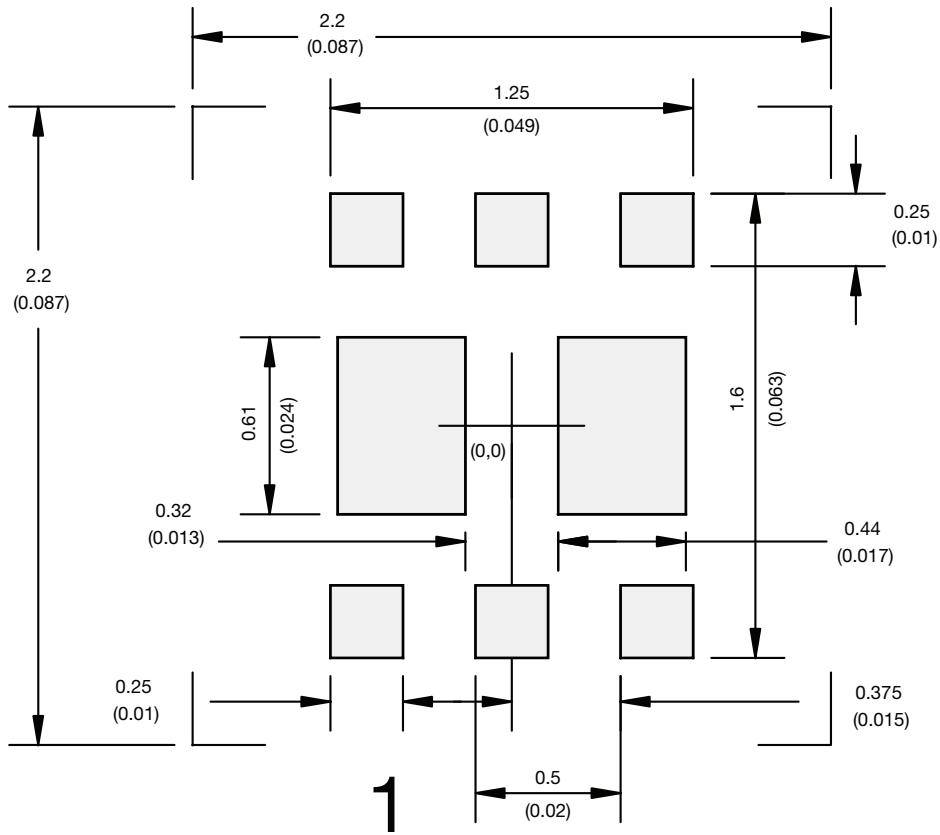
Dimensions in mm (inches)

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

RECOMMENDED MINIMUM PADS FOR PowerPAK SC-75 6-LEADS DUAL



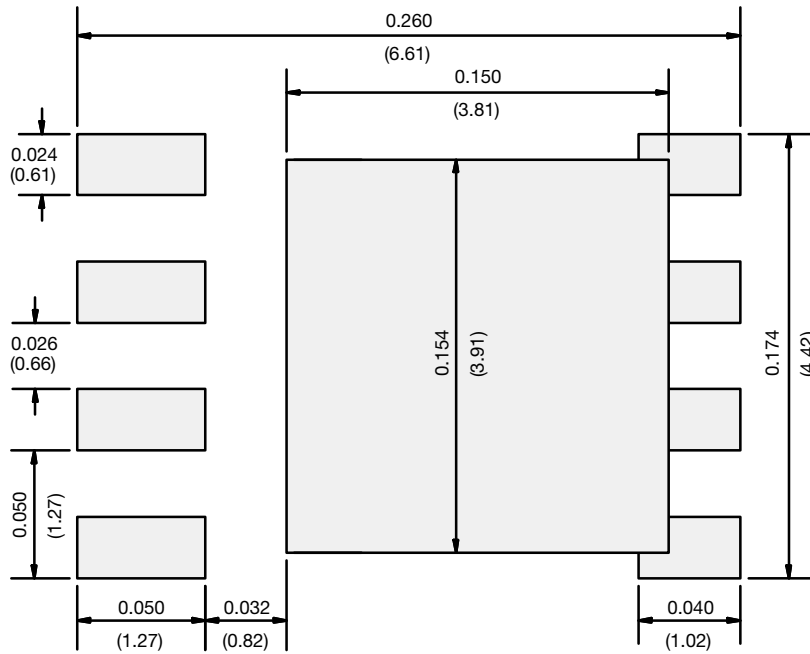
Dimensions in mm (inches)

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

RECOMMENDED MINIMUM PADS FOR PowerPAK SO-8 SINGLE



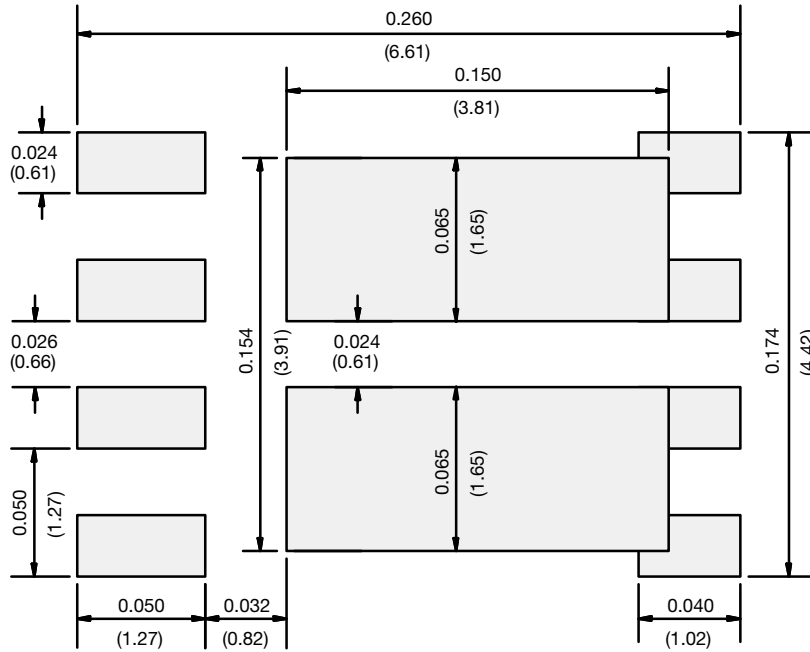
Dimensions in inches (mm)

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

RECOMMENDED MINIMUM PADS FOR PowerPAK SO-8 DUAL



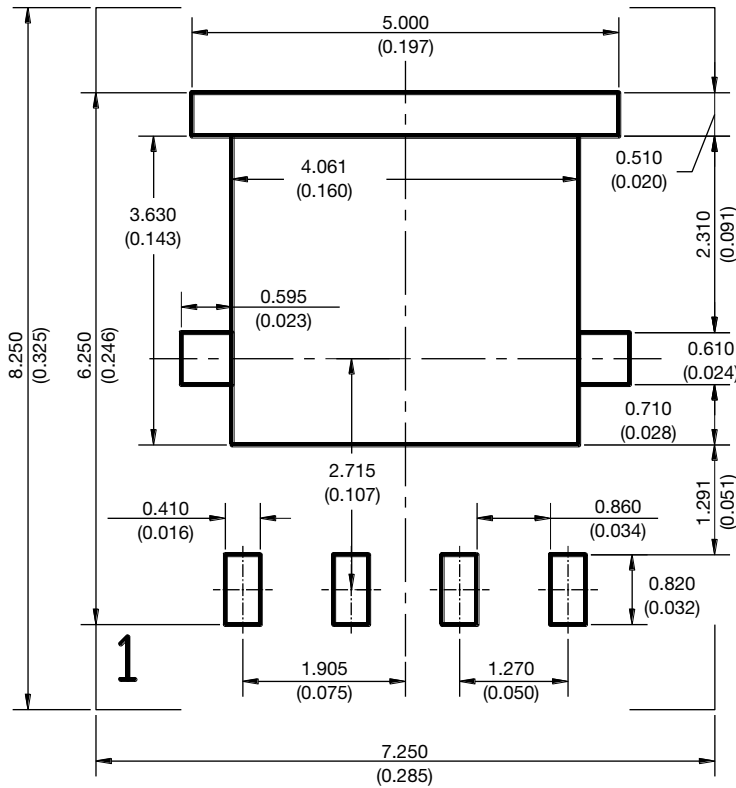
Dimensions in inches (mm)

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

RECOMMENDED MINIMUM PADS FOR PowerPAK SO-8L SINGLE



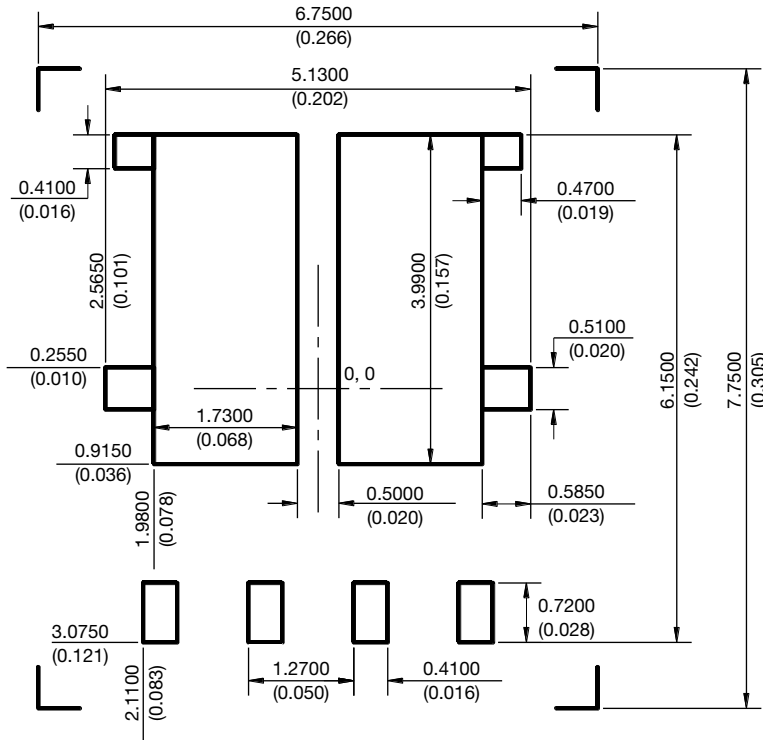
Dimensions in mm (inches)

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

RECOMMENDED MINIMUM PADS FOR PowerPAK SO-8L DUAL



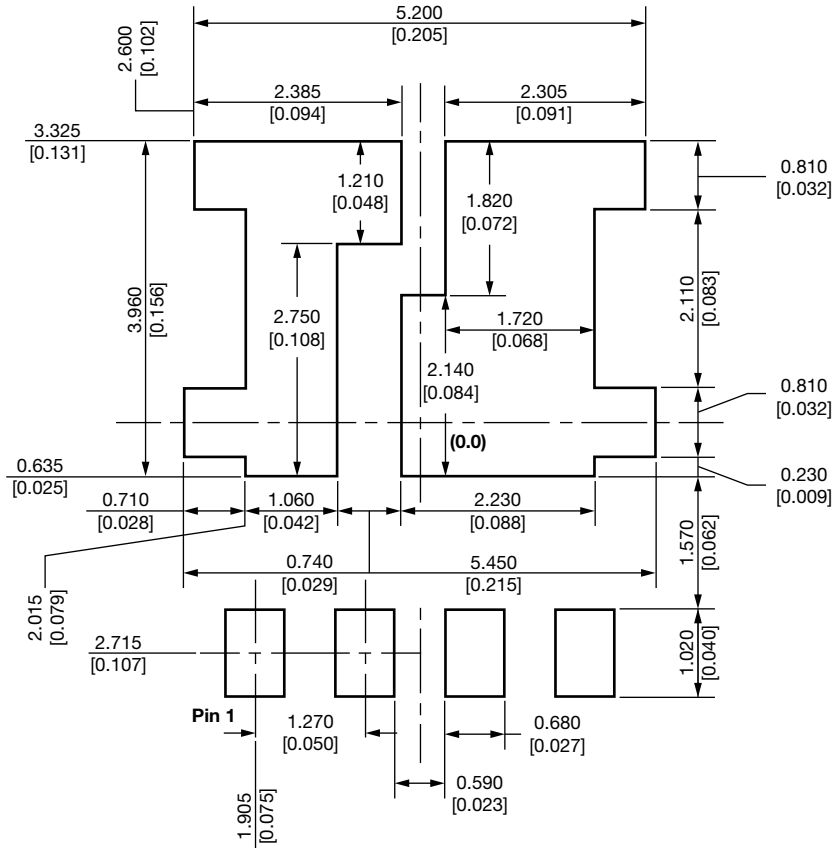
Dimensions in mm (inches)
Keep-out 6.75 (0.266) x 7.75 (0.305)

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

RECOMMENDED MINIMUM PADS FOR PowerPAK SO-8L DUAL ASYMMETRIC



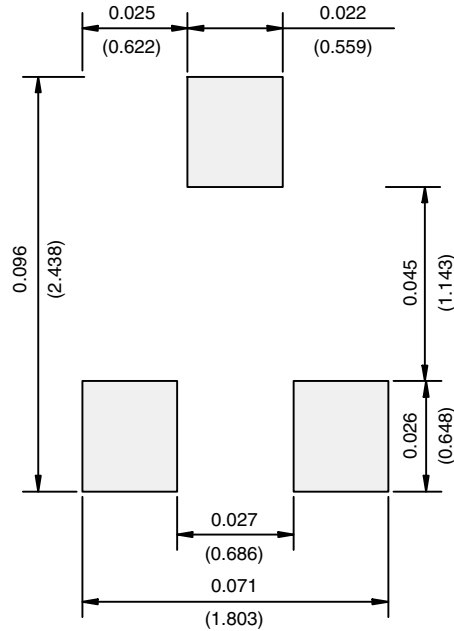
Dimensions in mm [inches]

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

RECOMMENDED MINIMUM PADS FOR SC-70 3-LEADS



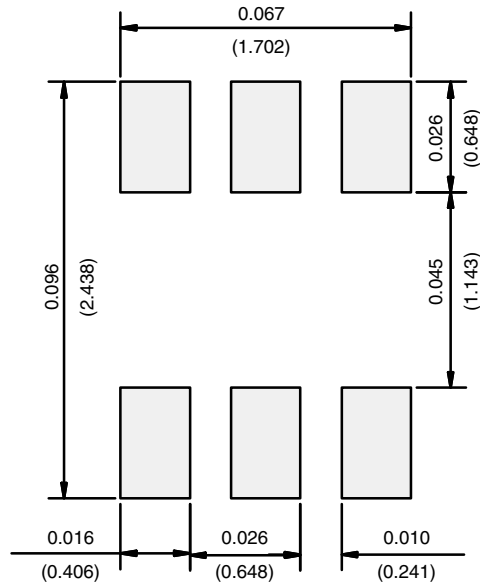
Dimensions in inches (mm)

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

RECOMMENDED MINIMUM PADS FOR SC-70 6-LEADS



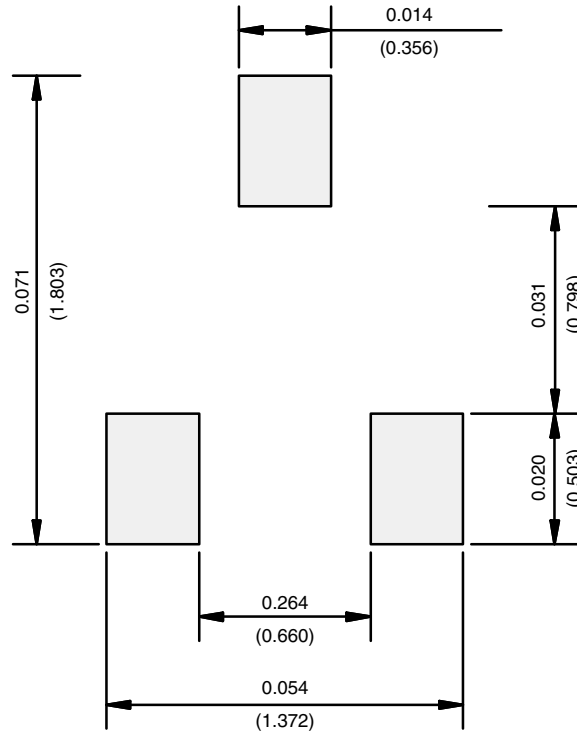
Dimensions in inches (mm)

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

RECOMMENDED MINIMUM PADS FOR SC-75A 3-LEADS



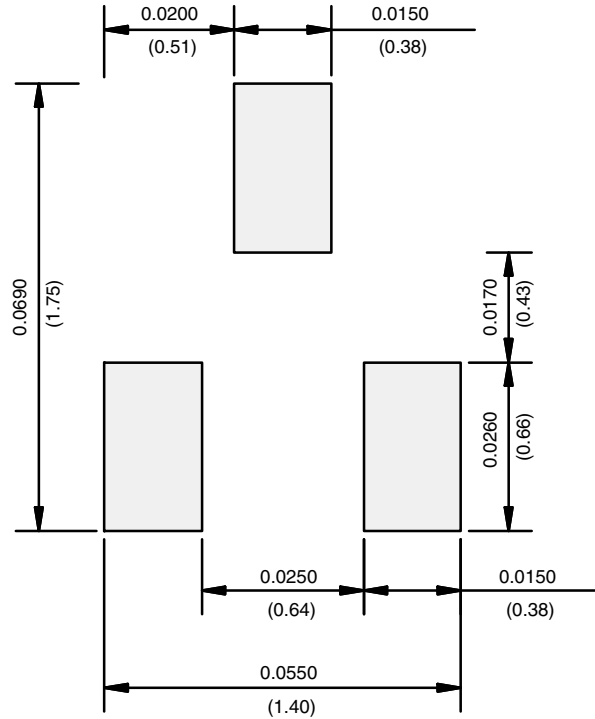
Dimensions in inches (mm)

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

RECOMMENDED MINIMUM PADS FOR SC-89 3-LEADS



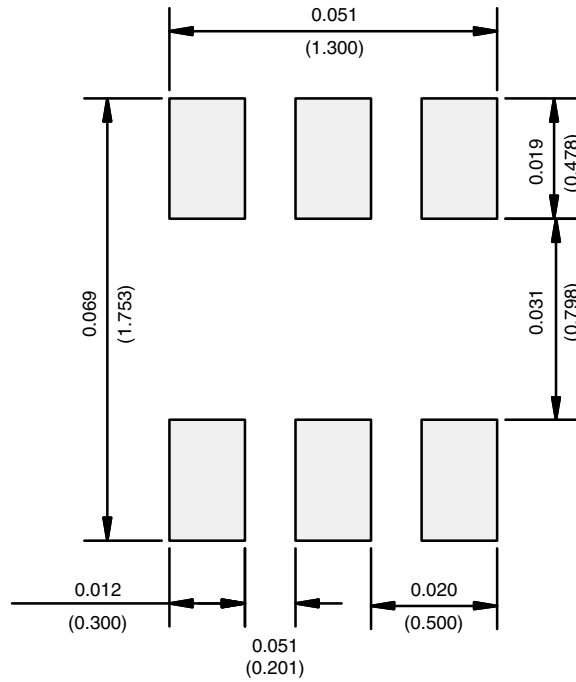
Dimensions in inches (mm)

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

RECOMMENDED MINIMUM PADS FOR SC-89 6-LEADS



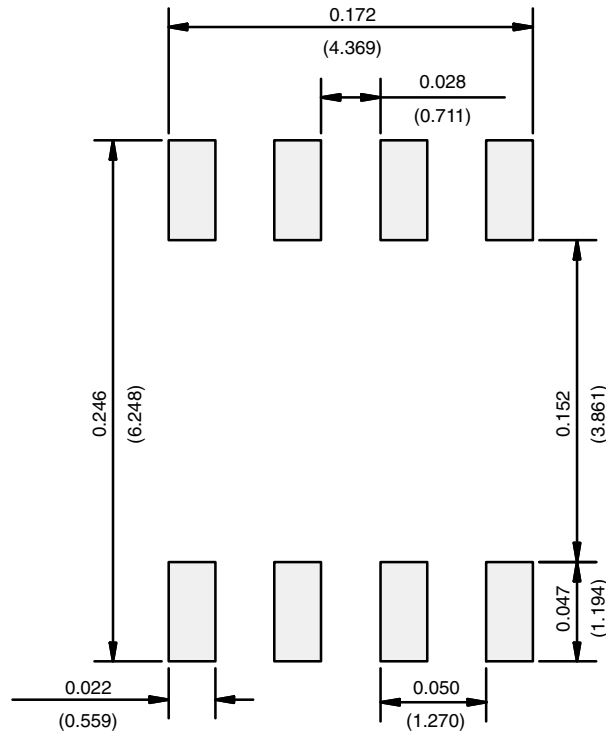
Dimensions in inches (mm)

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

RECOMMENDED MINIMUM PADS FOR SO-8



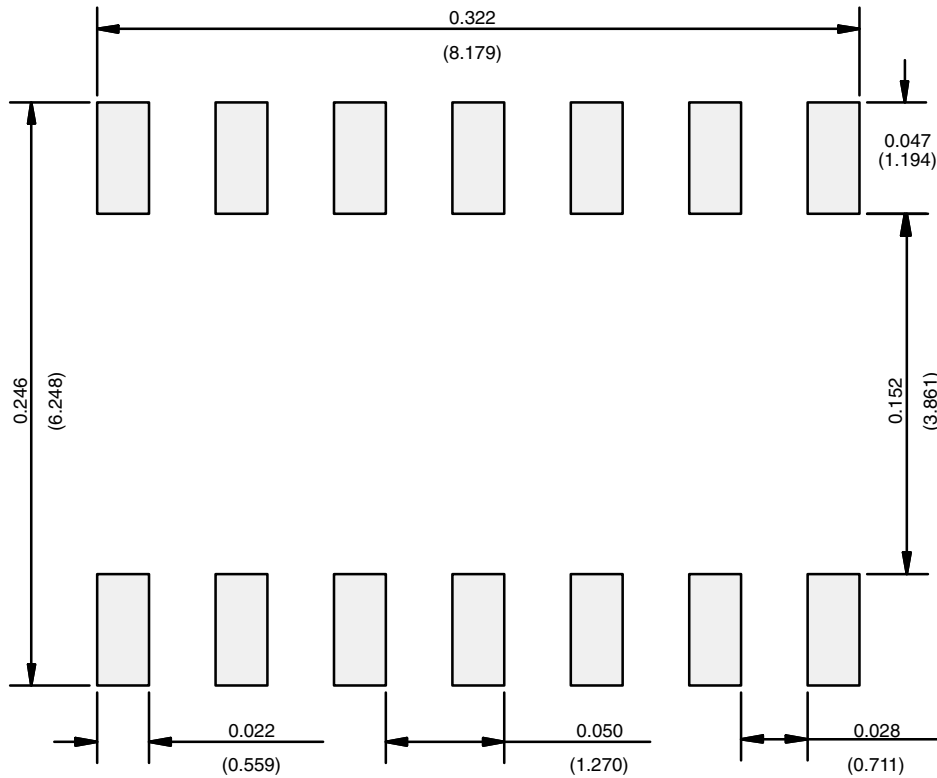
Dimensions in inches (mm)

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

RECOMMENDED MINIMUM PADS FOR SO-14



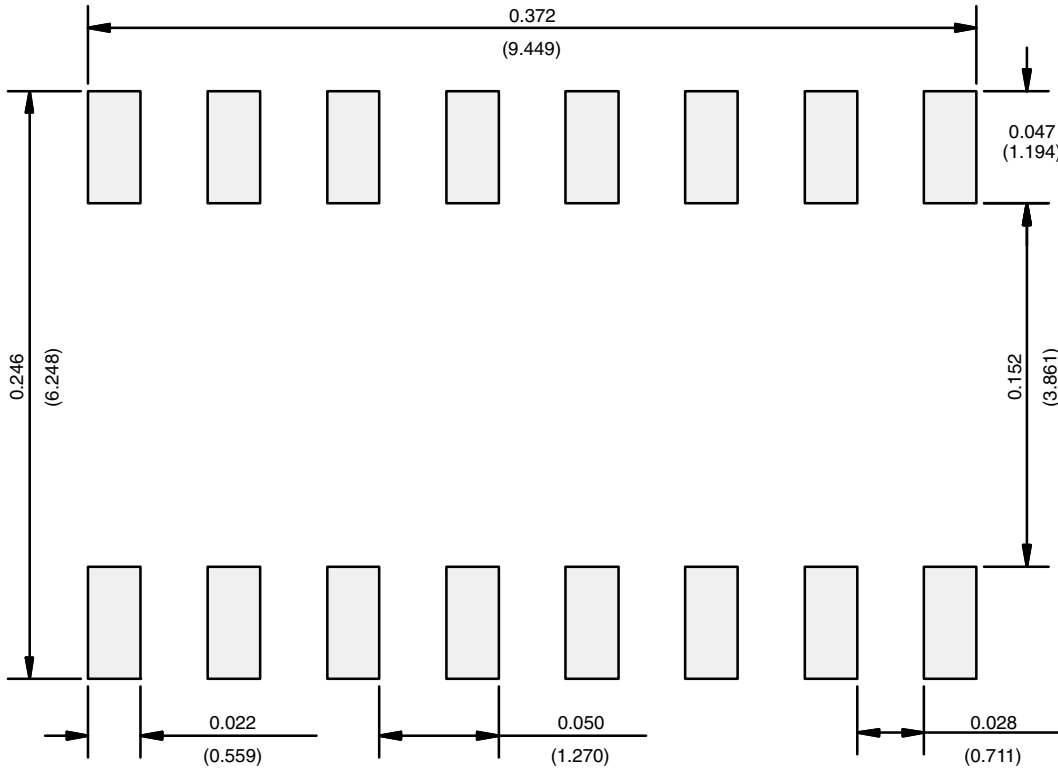
Dimensions in inches (mm)

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

RECOMMENDED MINIMUM PADS FOR SO-16



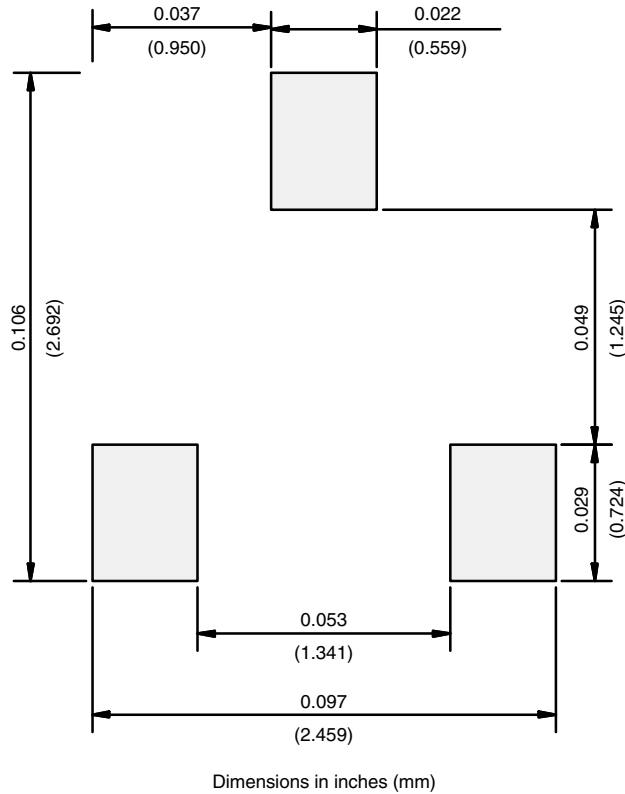
Dimensions in inches (mm)

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

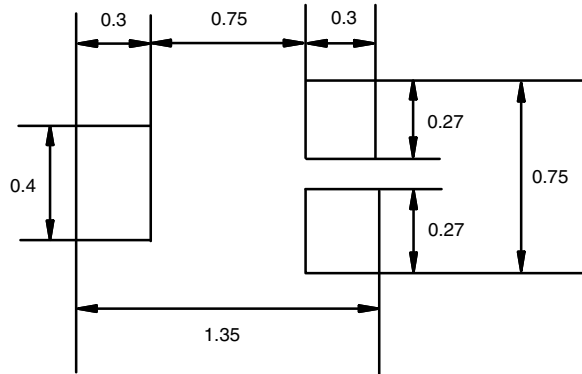
RECOMMENDED MINIMUM PADS FOR SOT-23



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

RECOMMENDED MINIMUM PADS FOR SOT-923

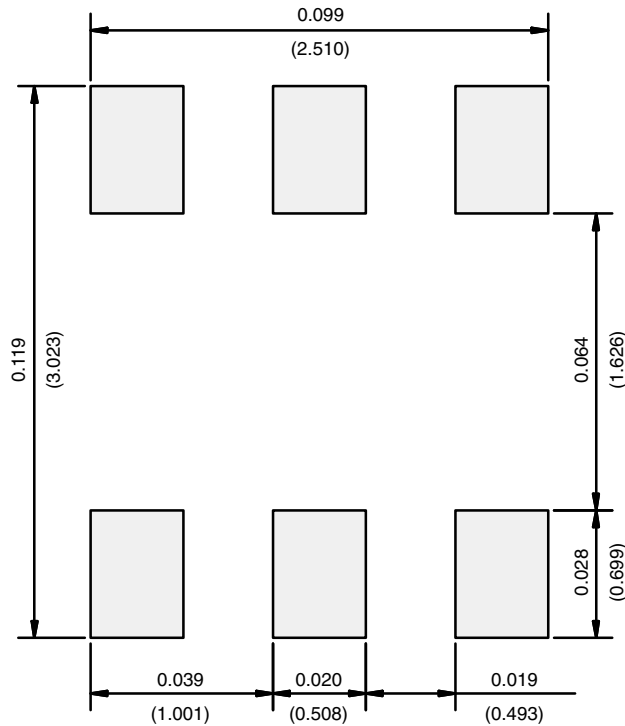


Dimensions in mm

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

RECOMMENDED MINIMUM PADS FOR TSOP-6



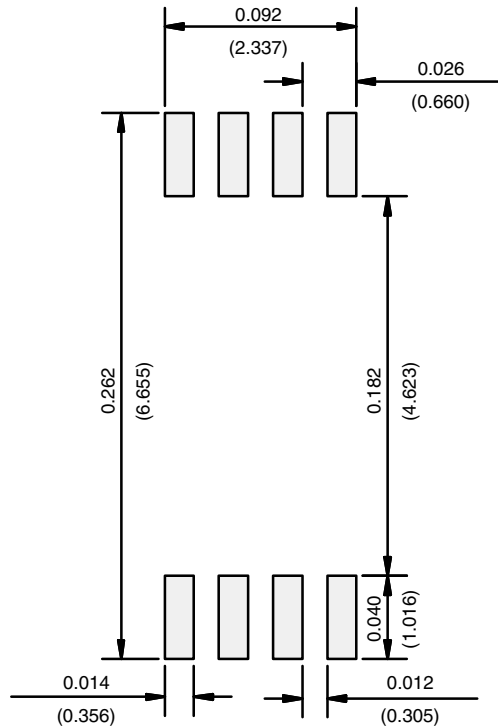
Dimensions in inches (mm)

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

RECOMMENDED MINIMUM PADS FOR TSSOP-8



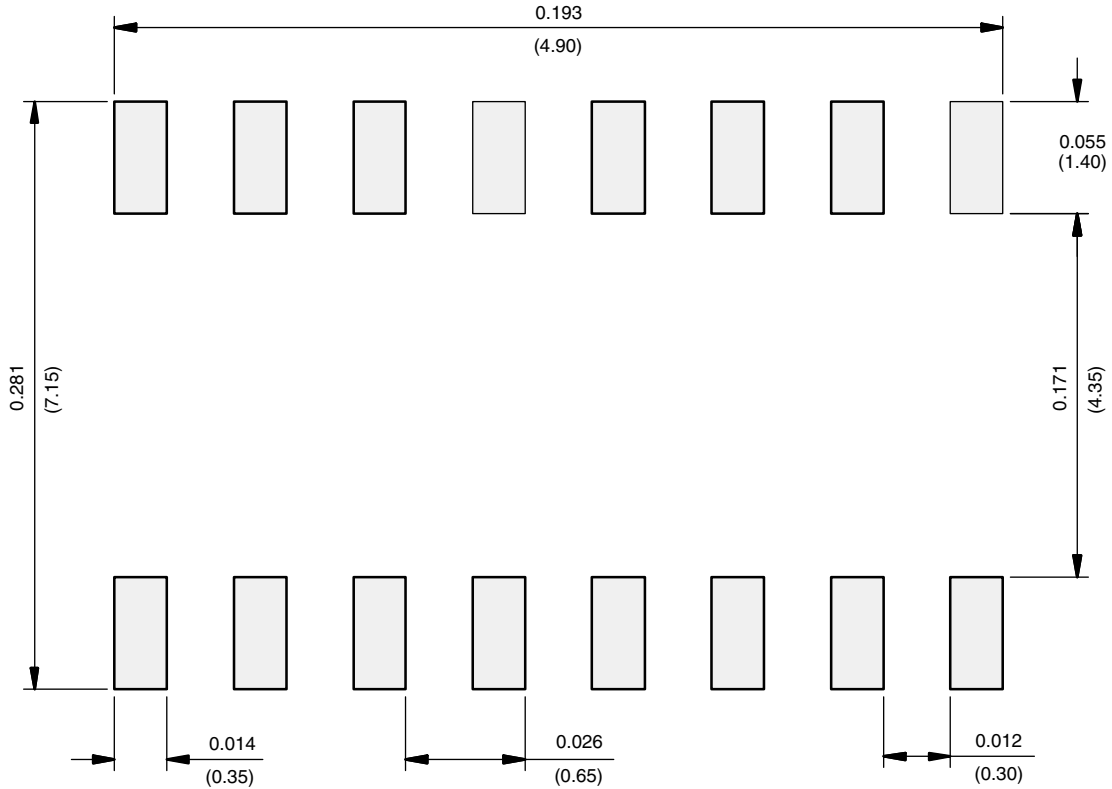
Dimensions in inches (mm)

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

RECOMMENDED MINIMUM PADS FOR TSSOP-16



Dimensions in inches (mm)

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