



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

## BY KANDARP PANDYA

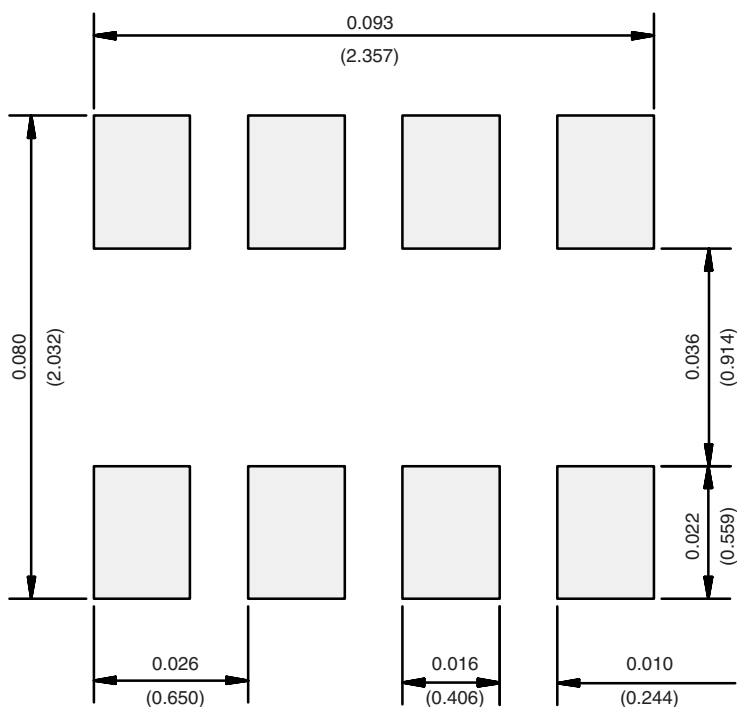
This web-smart document offers the following features:

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

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

### RECOMMENDED MINIMUM PADS FOR 1206-8 ChipFET

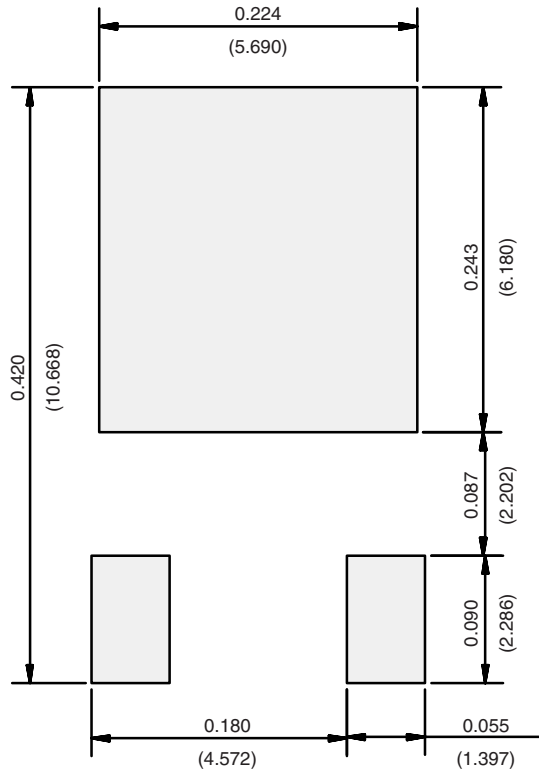


Recommended Minimum Pads  
Dimensions in inches (mm)

[Return to Index](#)

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

### RECOMMENDED MINIMUM PADS FOR DPAK (TO-252)

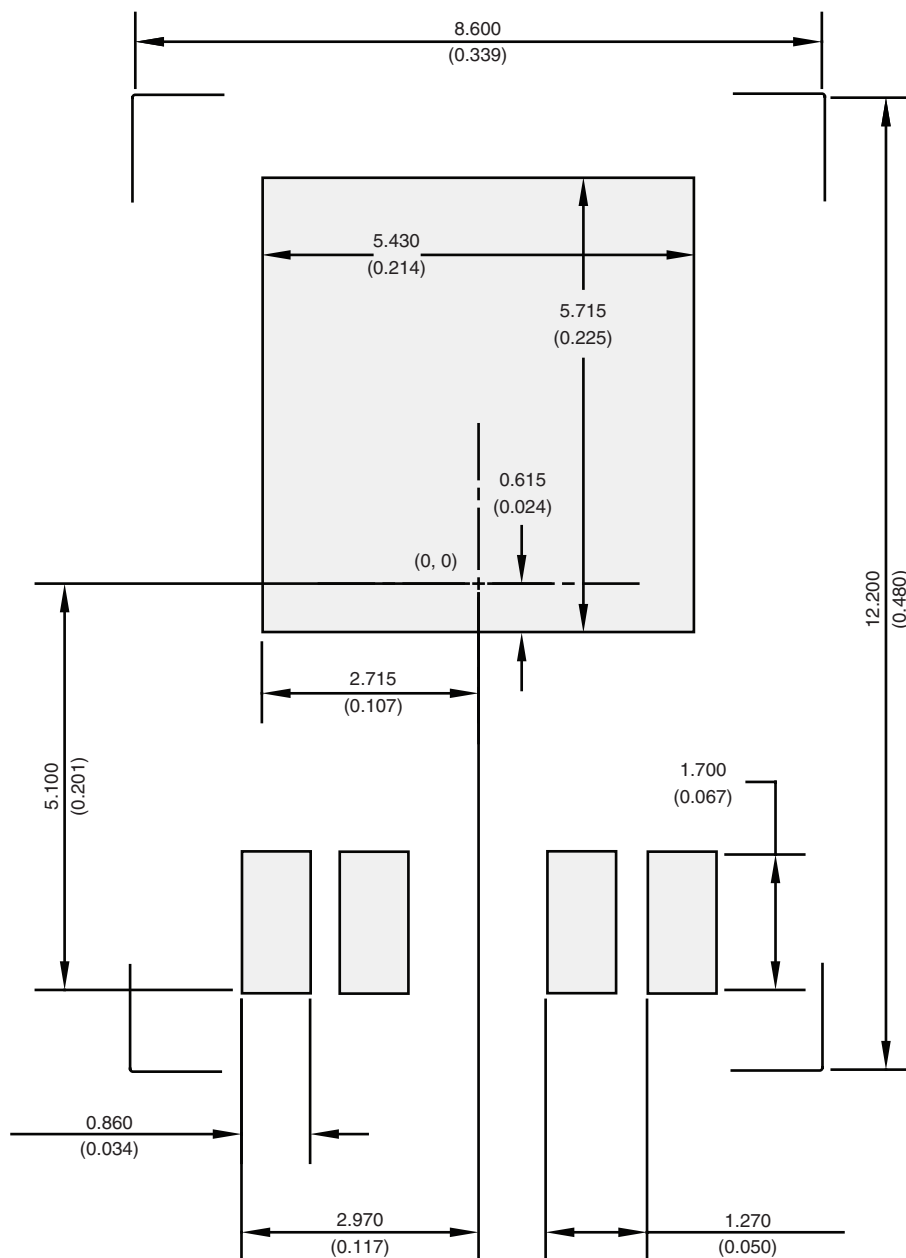


Recommended Minimum Pads  
Dimensions in inches (mm)

[Return to Index](#)

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

### RECOMMENDED PAD FOR DPAK 4L

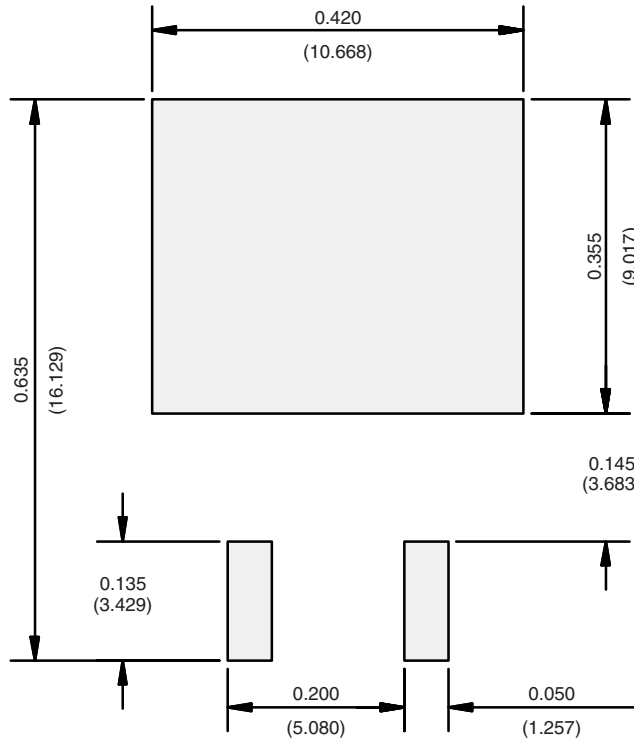


Recommended Minimum PADS for TO-252-4L (DPAK)  
 Dimensions in mm (inches)  
 Keep-out 8.6 (0.339) x 12.2 (0.480)

[Return to Index](#)

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

### RECOMMENDED MINIMUM PADS FOR D<sup>2</sup>PAK: 3-Lead

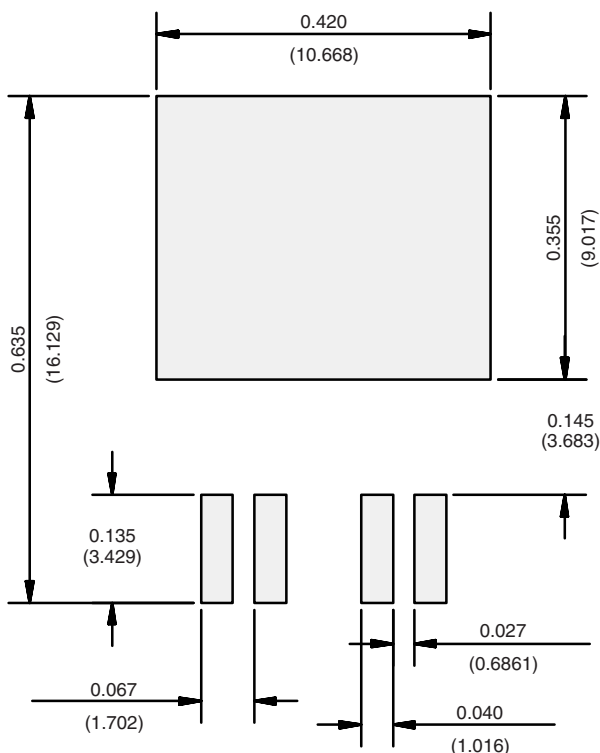


Recommended Minimum Pads  
Dimensions in inches (mm)

[Return to Index](#)

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

### RECOMMENDED MINIMUM PADS FOR D<sup>2</sup>PAK: 5-Lead

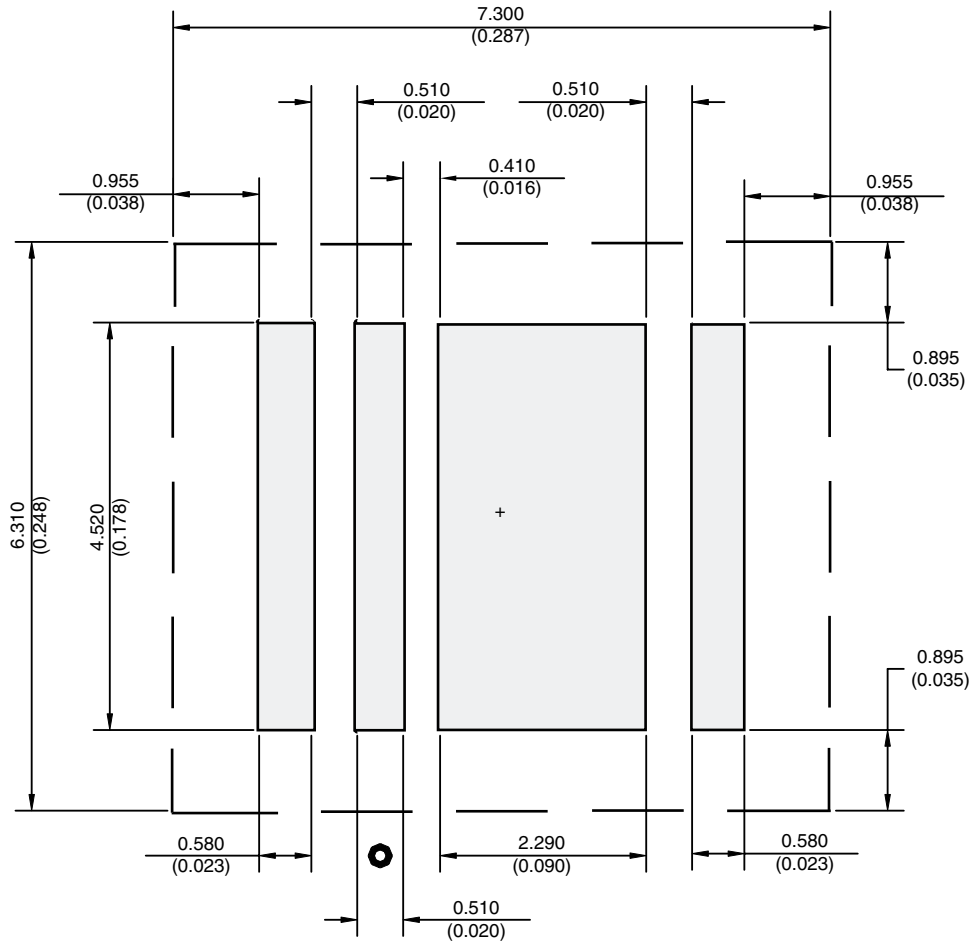


Recommended Minimum Pads  
Dimensions in Inches (mm)

[Return to Index](#)

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

### RECOMMENDED MINIMUM PADS FOR PolarPAK Option L and S

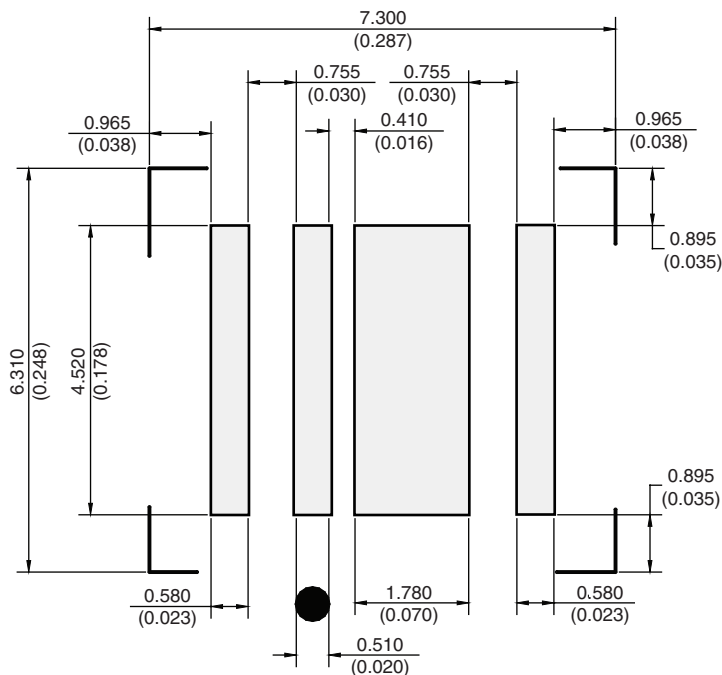


Recommended Minimum for PolarPAK Option L and S  
 Dimensions in mm (inches)  
 No External Traces within Broken Lines  
 Dot indicates Gate Pin (Part Marking)

[Return to Index](#)

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

### RECOMMENDED MINIMUM PADS FOR HIGH VOLTAGE PolarPAK Option xH



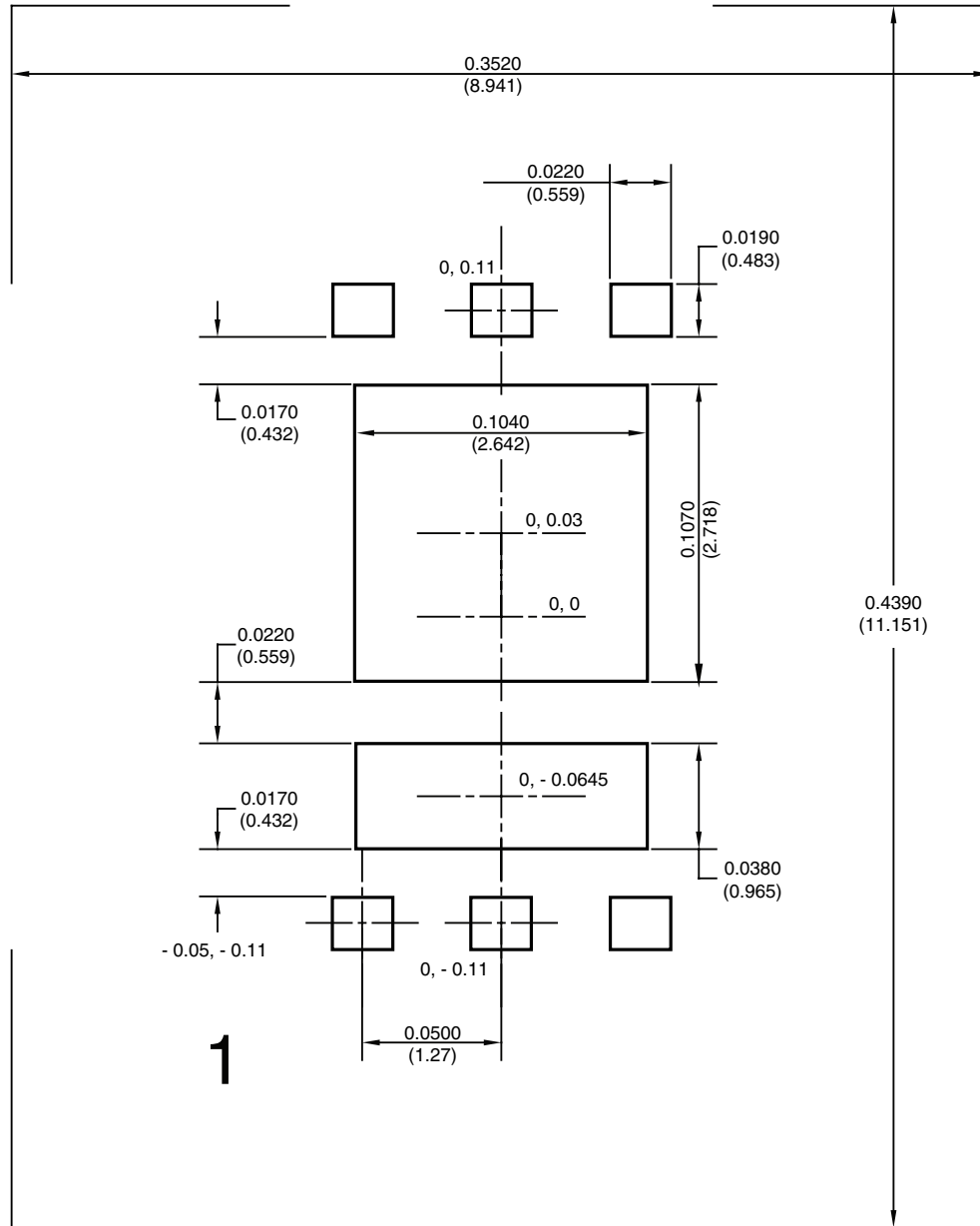
Dimensions in mm (inches)  
No external traces within border corners  
Dot indicate gate pin (part marking)

[Return to Index](#)



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

### RECOMMENDED PAD FOR PowerPAIR 6 x 3.7

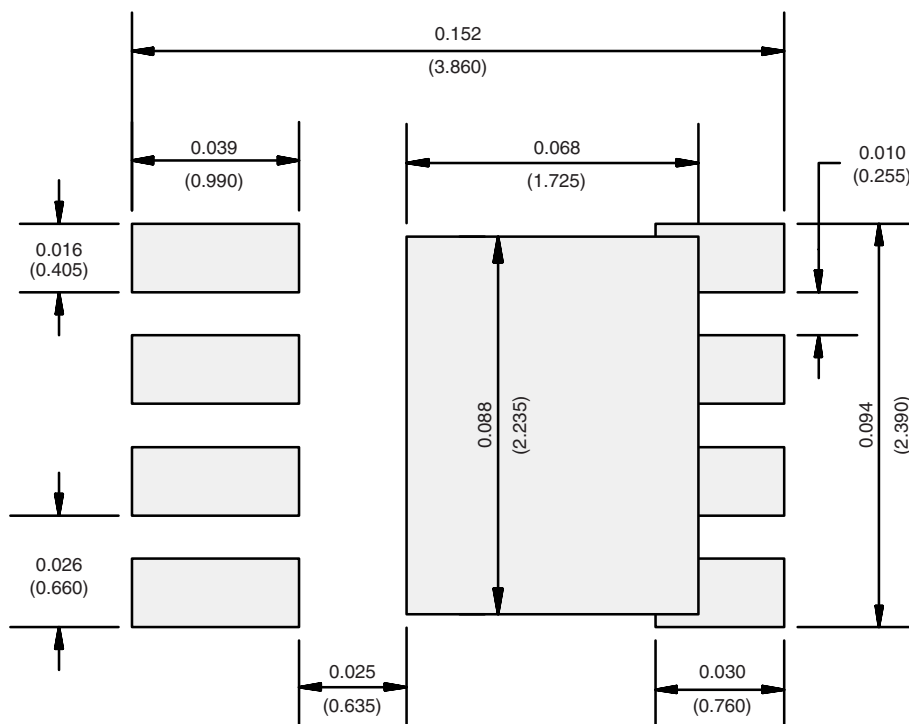


Recommended PAD for PowerPAIR 6 x 3.7  
 Dimensions in inches (mm)  
 Keep-out 0.3520 (8.94) x 0.4390 (11.151)

Return to Index

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

### RECOMMENDED MINIMUM PADS FOR PowerPAK 1212-8 Single

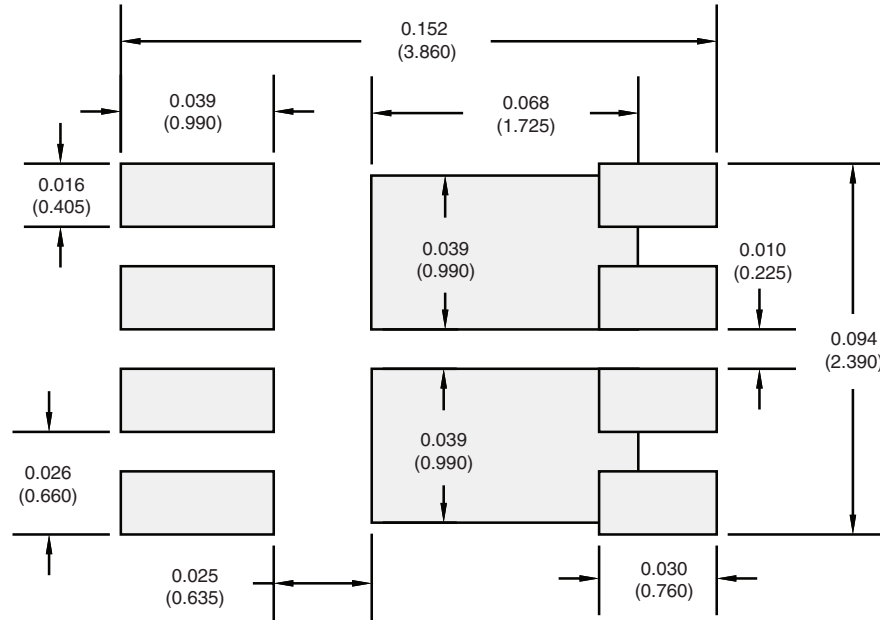


Recommended Minimum Pads  
Dimensions in inches (mm)

[Return to Index](#)

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

### RECOMMENDED MINIMUM PADS FOR PowerPAK 1212-8 Dual

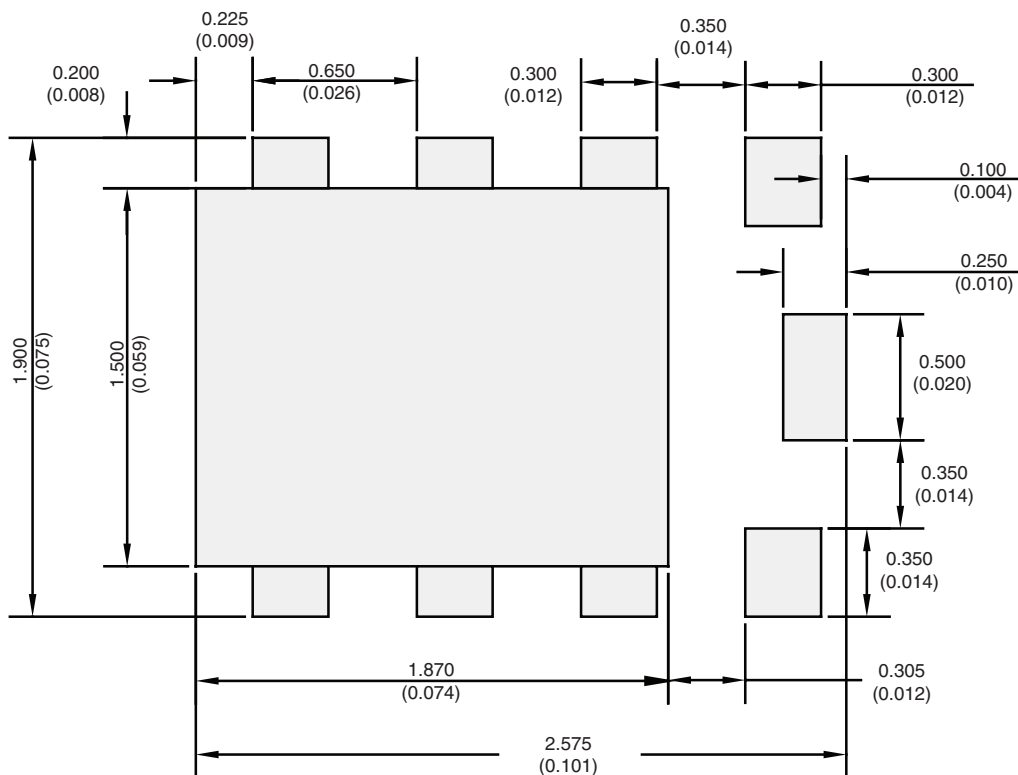


Recommended Minimum PADS for PowerPAK 1212-8 Dual  
Dimensions in inches (mm)

[Return to Index](#)

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

### RECOMMENDED MINIMUM PADS FOR PowerPAK ChipFET Single

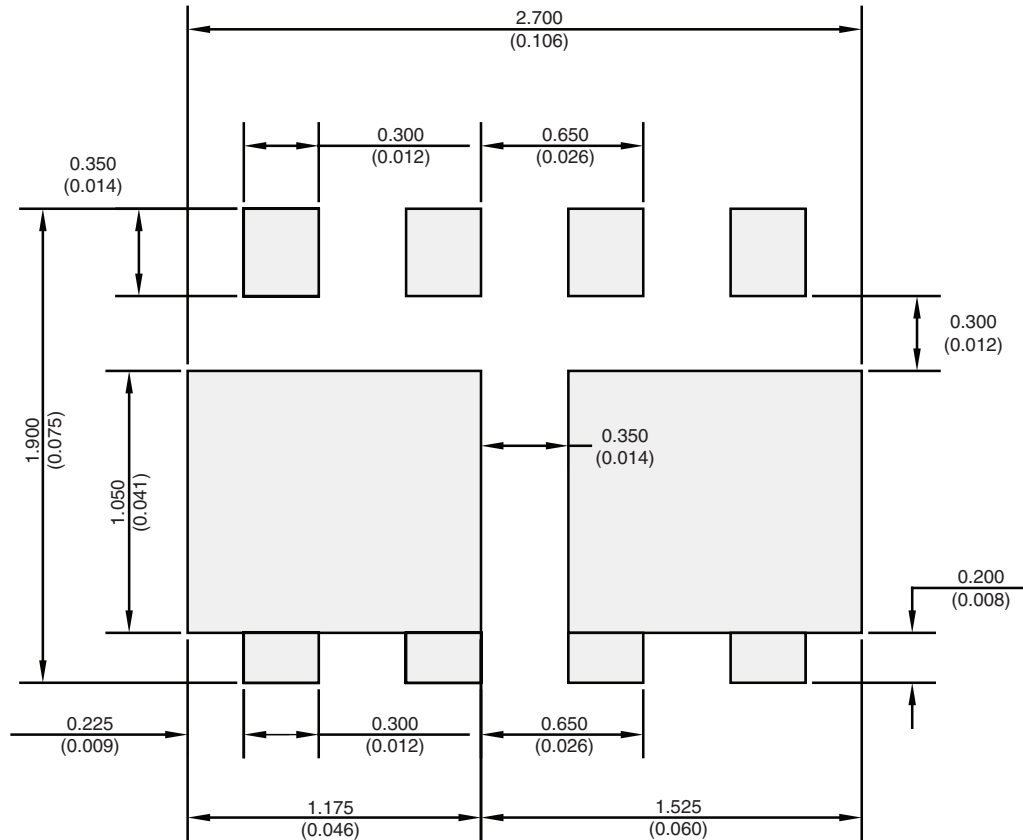


Recommended Minimum Pads  
Dimensions in mm (inches)

[Return to Index](#)

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

### RECOMMENDED MINIMUM PADS FOR PowerPAK ChipFET Dual



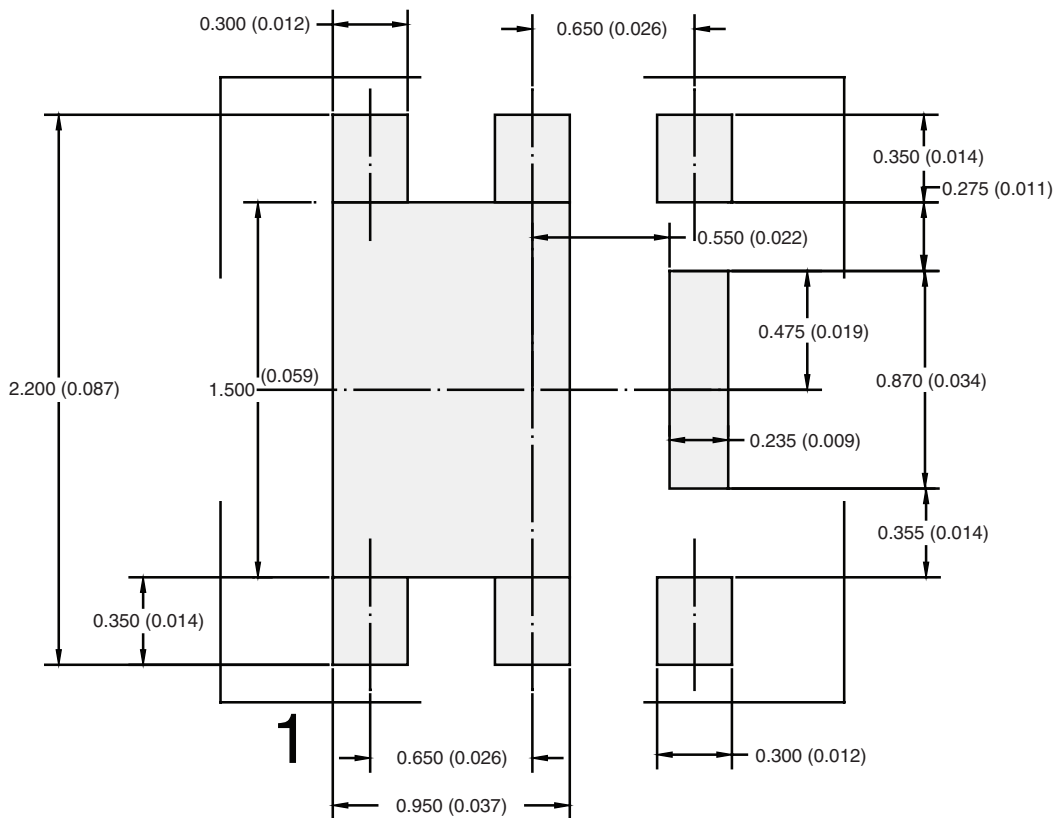
Recommended Minimum Pads  
Dimensions in mm (inches)

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

[Return to Index](#)

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

### RECOMMENDED PAD LAYOUT FOR PowerPAK SC70-6L Single

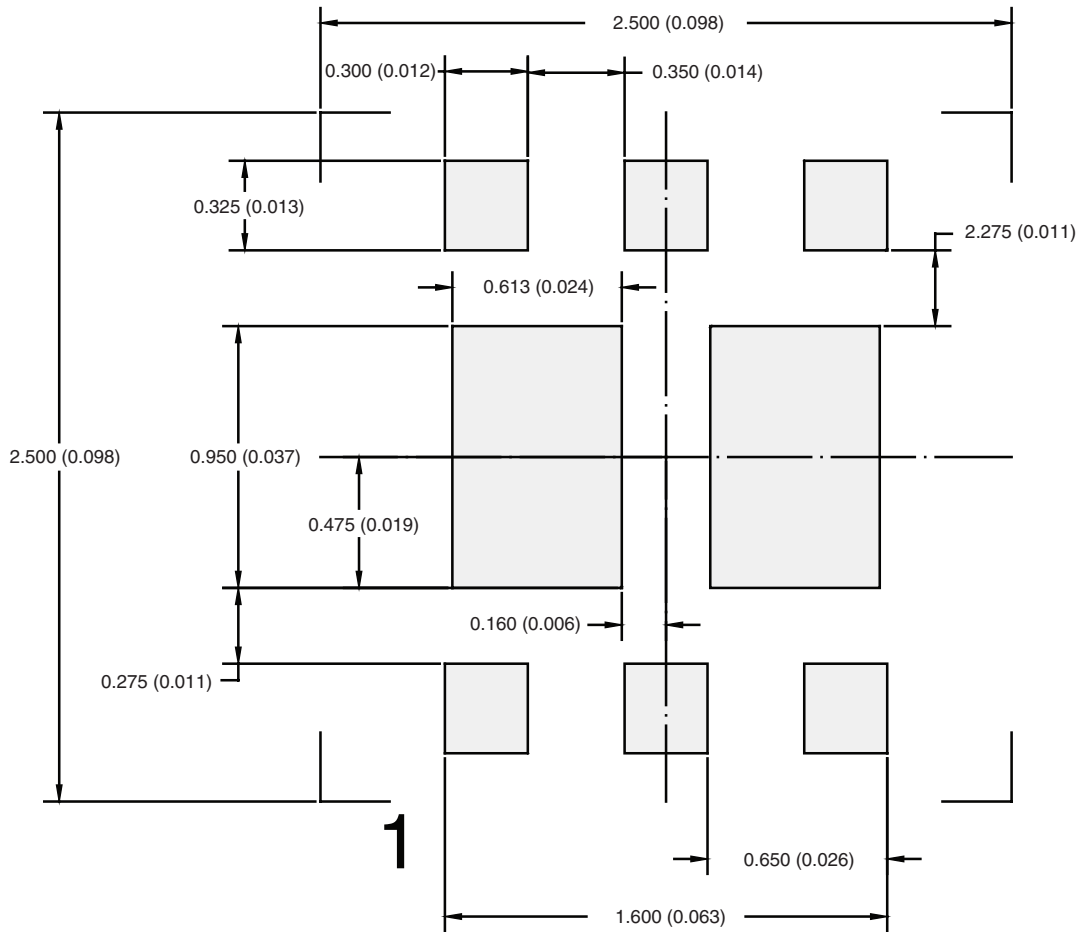


Dimensions in mm (inches)

[Return to Index](#)

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

### RECOMMENDED PAD LAYOUT FOR PowerPAK SC70-6L Dual

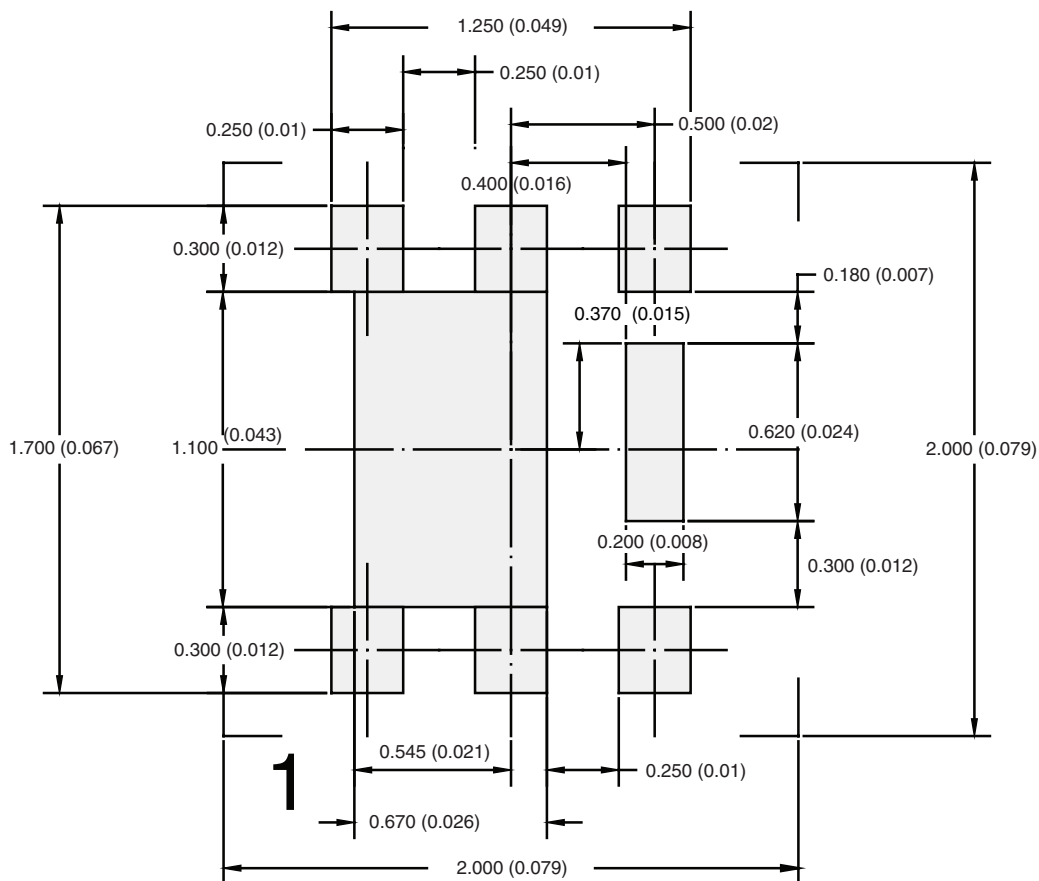


Dimensions in mm (inches)

[Return to Index](#)

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

### RECOMMENDED PAD LAYOUT FOR PowerPAK SC75-6L Single



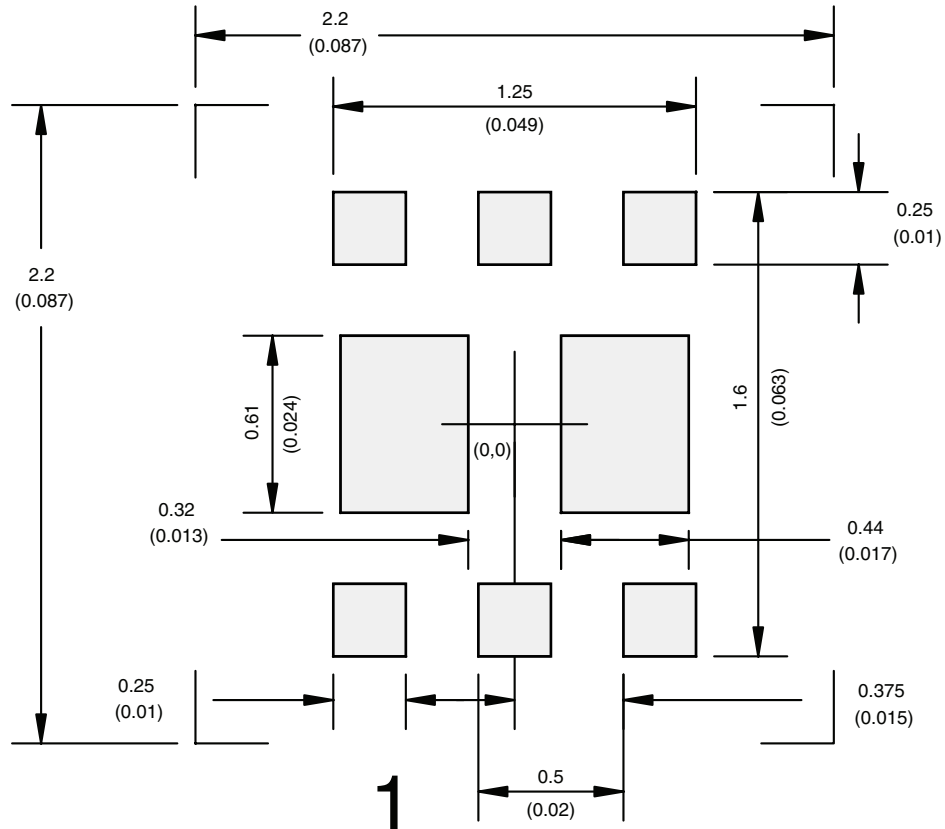
Dimensions in mm (inches)

[Return to Index](#)



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

### RECOMMENDED PAD LAYOUT FOR PowerPAK SC75-6L Dual

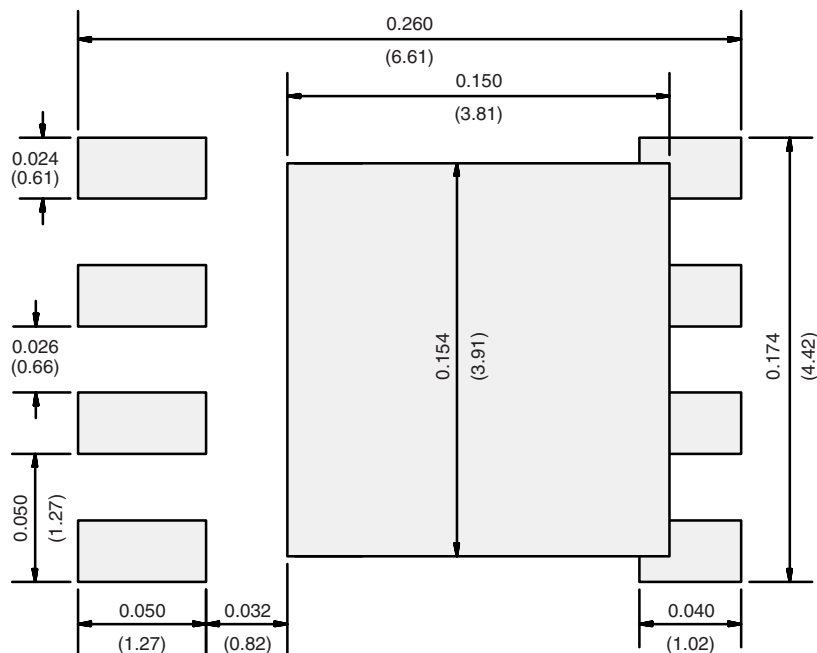


Dimensions in mm (inches)

[Return to Index](#)

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

### RECOMMENDED MINIMUM PADS FOR PowerPAK SO-8 Single

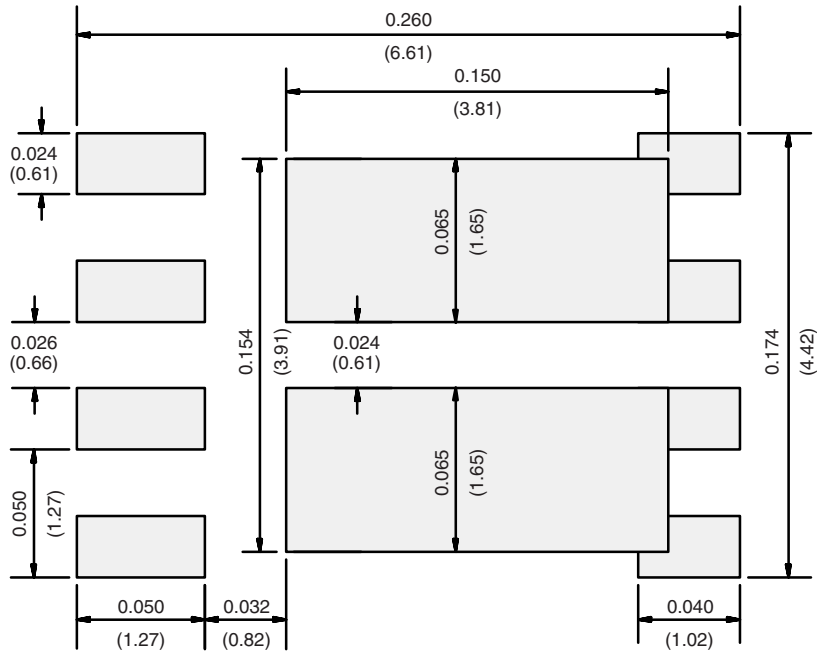


Recommended Minimum Pads  
Dimensions in inches (mm)

[Return to Index](#)

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

### RECOMMENDED MINIMUM PADS FOR PowerPAK SO-8 Dual

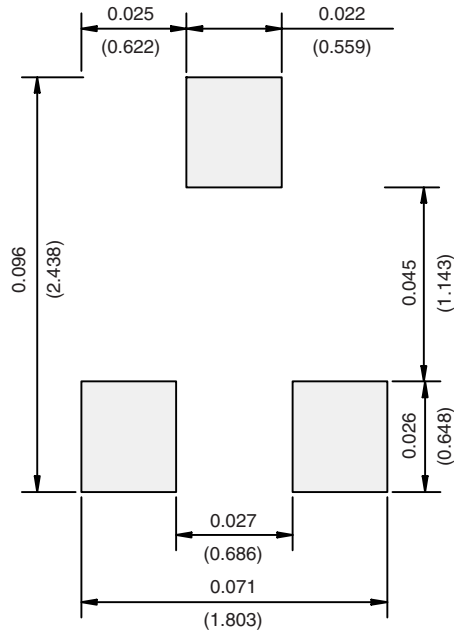


Recommended Minimum Pads  
Dimensions in inches (mm)

[Return to Index](#)

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

### RECOMMENDED MINIMUM PADS FOR SC-70: 3-Lead

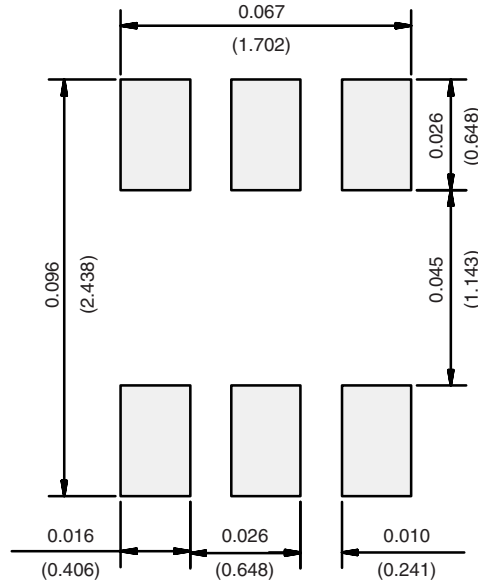


Recommended Minimum Pads  
Dimensions in inches (mm)

[Return to Index](#)

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

**RECOMMENDED MINIMUM PADS FOR SC-70: 6-Lead**

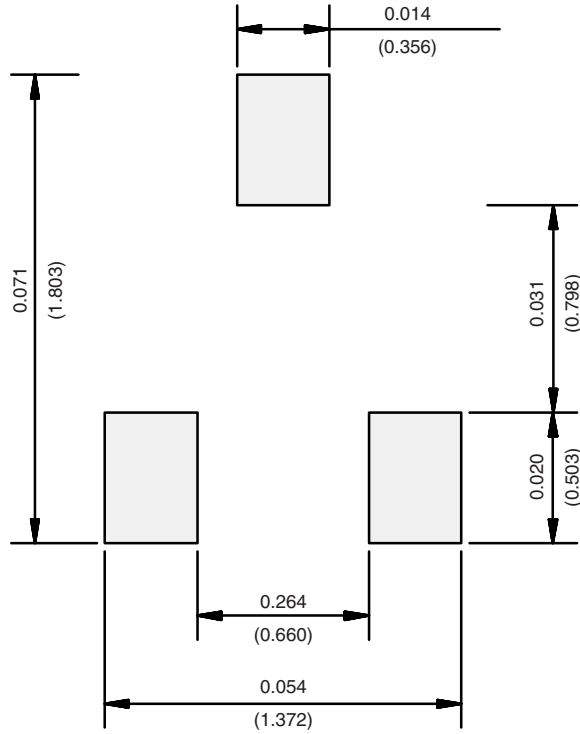


Recommended Minimum Pads  
Dimensions in inches (mm)

[Return to Index](#)

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

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

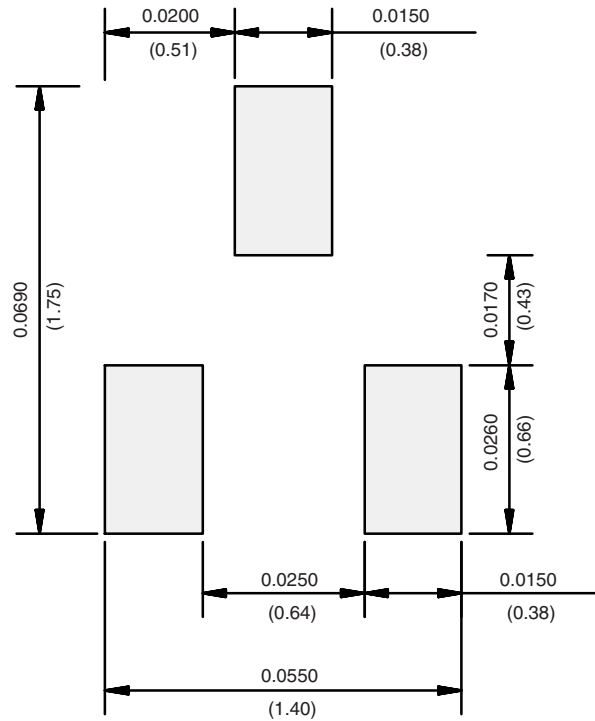


Recommended Minimum Pads  
Dimensions in inches (mm)

[Return to Index](#)

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

### RECOMMENDED MINIMUM PADS FOR SC-89: 3-Lead

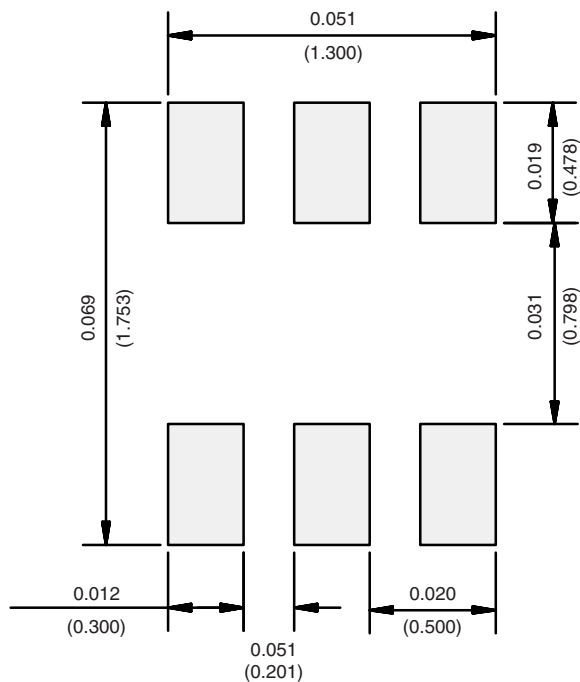


Recommended Minimum Pads  
Dimensions in inches (mm)

[Return to Index](#)

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

### RECOMMENDED MINIMUM PADS FOR SC-89: 6-Lead



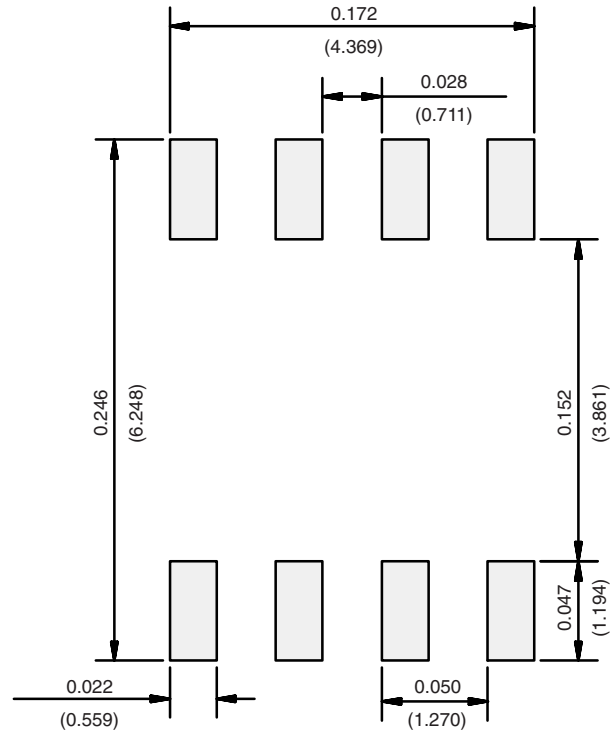
Recommended Minimum Pads  
Dimensions in inches (mm)

[Return to Index](#)



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

### RECOMMENDED MINIMUM PADS FOR SO-8

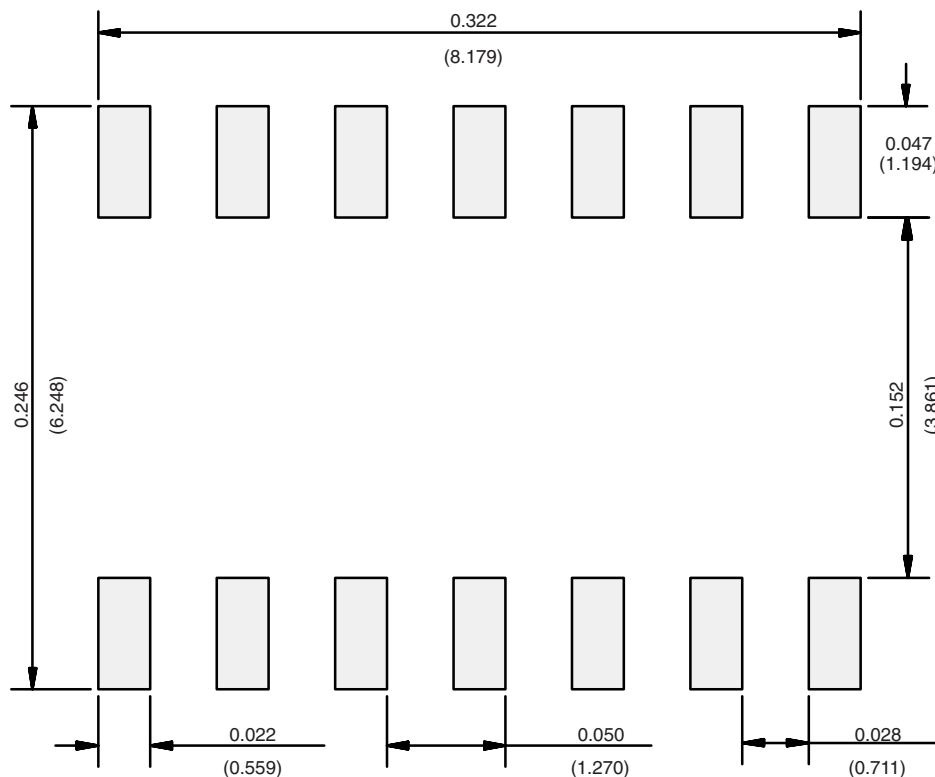


Recommended Minimum Pads  
Dimensions in inches (mm)

[Return to Index](#)

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

### RECOMMENDED MINIMUM PADS FOR SO-14

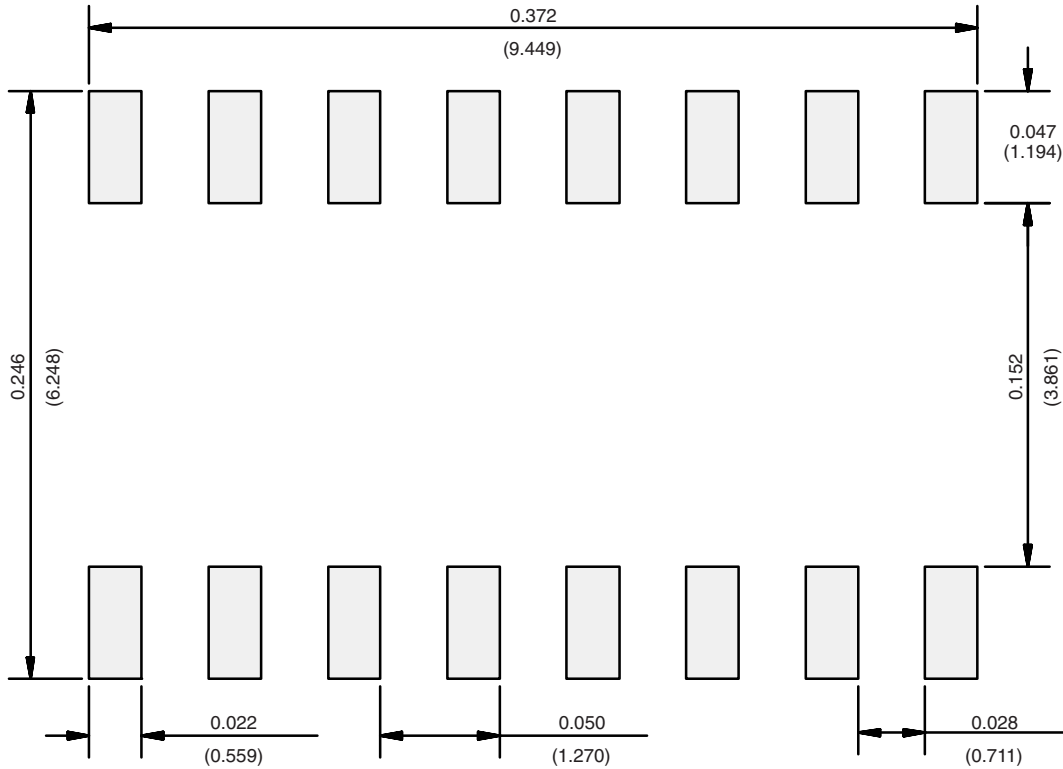


Recommended Minimum Pads  
Dimensions in inches (mm)

[Return to Index](#)

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

### RECOMMENDED MINIMUM PADS FOR SO-16

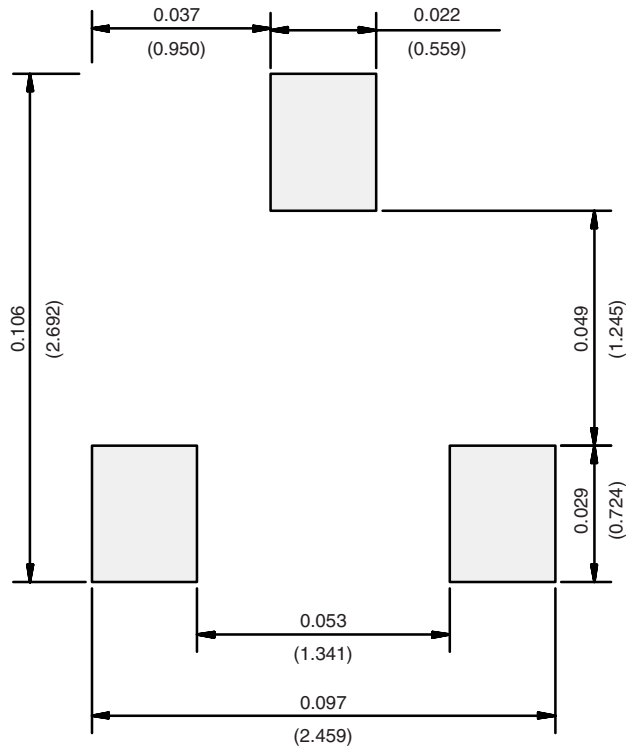


Recommended Minimum Pads  
Dimensions in inches (mm)

[Return to Index](#)

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

### RECOMMENDED MINIMUM PADS FOR SOT-23

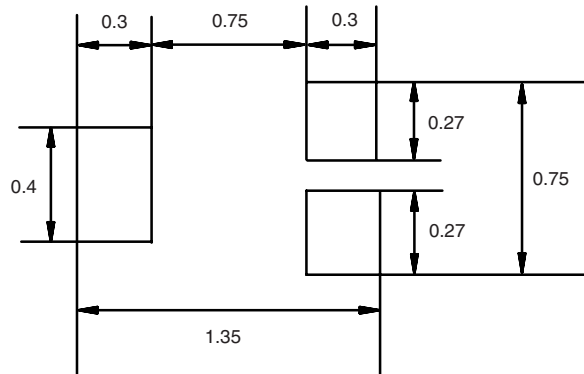


Recommended Minimum Pads  
Dimensions in Inches (mm)

[Return to Index](#)

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

### RECOMMENDED MINIMUM PADS FOR SOT-923

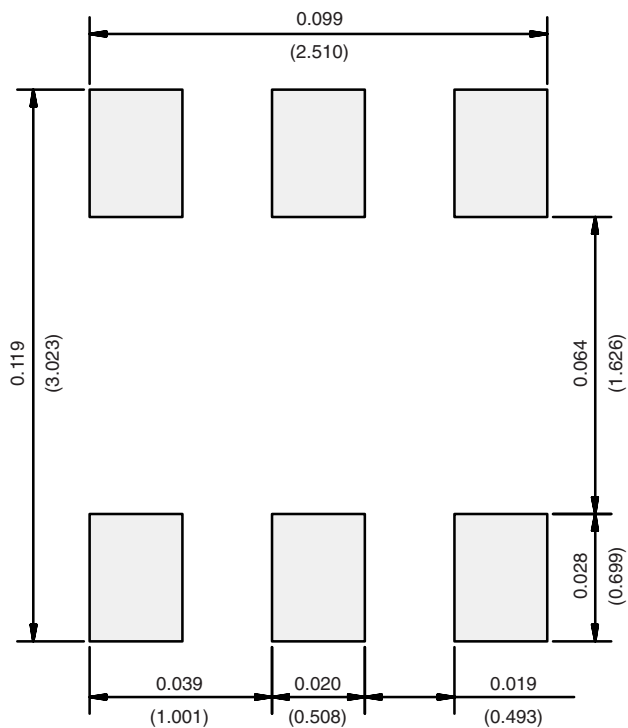


Recommended Minimum Pads  
Dimensions in mm

[Return to Index](#)

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

### RECOMMENDED MINIMUM PADS FOR TSOP-6

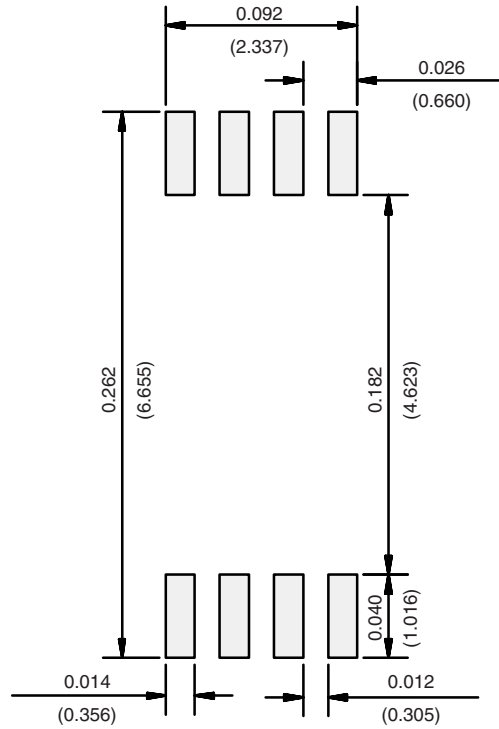


Recommended Minimum Pads  
Dimensions in inches (mm)

[Return to Index](#)

## 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)

[Return to Index](#)