



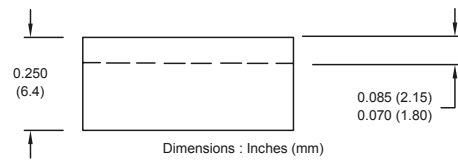
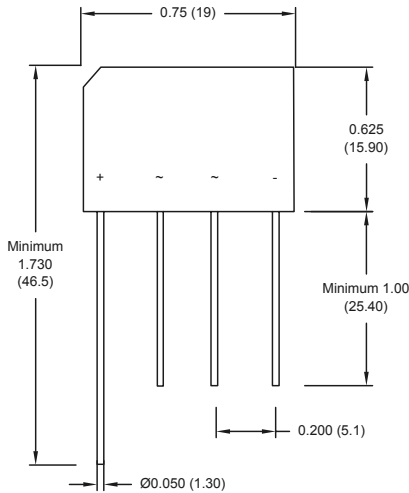
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SPC-F005.DWG

REVISIONS

DOC. NO. SPC-F005 * Effective: 7/8/02 * DCP No: 1398

DCP #	REV	DESCRIPTION	DRAWN	DATE	CHECKD	DATE	APPRVD	DATE
			VEE	10-08-10	JAG	14-08-10	XXX	25-08-10



Dimensions : Inches (mm)

Specifications:

1. Maximum Recurrent Peak Reverse Voltage: 200V
2. Maximum RMS Bridge Input Voltage: 420V
3. Maximum DC Blocking Voltage: 600V
4. Maximum Average Rectified Output Current at 50°C ambient: 4.0A
5. Peak One Cycle Surge Overload Current: 200A
6. Maximum Forward Voltage Drop Per Bridge Element at 4.0A DC: 1.1V
7. Maximum (Total Bridge) Reverse Leakage at Rated DC Blocking Voltage: 10µA
8. Maximum (Total Bridge) Reverse Leakage at Rated DC Blocking Voltage and 100°C: 1.0mA
9. I_t Rating for Fusing (t < 8.3ms) 93.0 A·Sec
10. Typical thermal Resistance per Leg (Note 1) R θJA: 19.0°C/W
11. Typical thermal Resistance per Leg (Note 2) R θJL: 2.4°C/W
12. Operating Temperature Range: -55 to 125°C
13. Storage Temperature Range: -55 to 150°C

Notes:

1. Thermal resistance from junction to ambient with units mounted on 3.0 x 3.0 x 0.11" thick (7.5 x 7.5 x 0.3cm) Aluminum plate.
2. Thermal resistance from junction to lead with units mounted on P.C.B at 0.375" (9.5mm) lead length and 0.5 x 0.5" (12 x 12mm) copper pads.

Mechanical Data:

1. Terminals: Lead solderable per MIL-STD-202 method 208
2. Mounting Position: Any
3. Weight: 0.2 ounce, 5.6 grams

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TOLERANCES:
UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE FOR REFERENCE PURPOSES ONLY.

DRAWN BY:	DATE:
VEE	10-08-10
CHECKED BY:	DATE:
JAG	14-08-10
APPROVED BY:	DATE:
XXX	25-08-10

DRAWING TITLE:			
In-Line Miniature Single Phase Silicon Bridge Rectifier			
SIZE	DWG. NO.	ELECTRONIC FILE	REV
A	XXX	19c1133	A
SCALE:	NTS	U.O.M.: Millimeters	SHEET: 1 OF 1



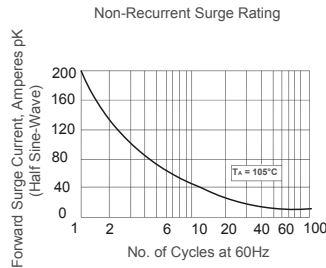
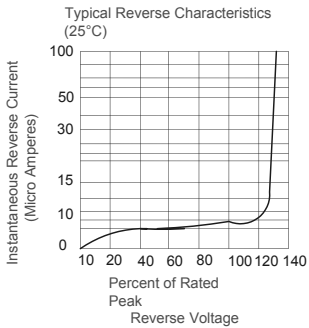
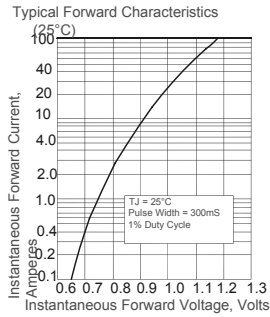
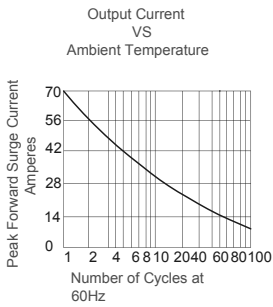
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Part Number Table

Description	Part Number
In - Line Miniature Single Phase Silicon Bridge Rectifier	MCFL406-RH

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A	XXX	19c1133	A
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