

REVISIONS

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

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



RoHS Compliant

Specifications:

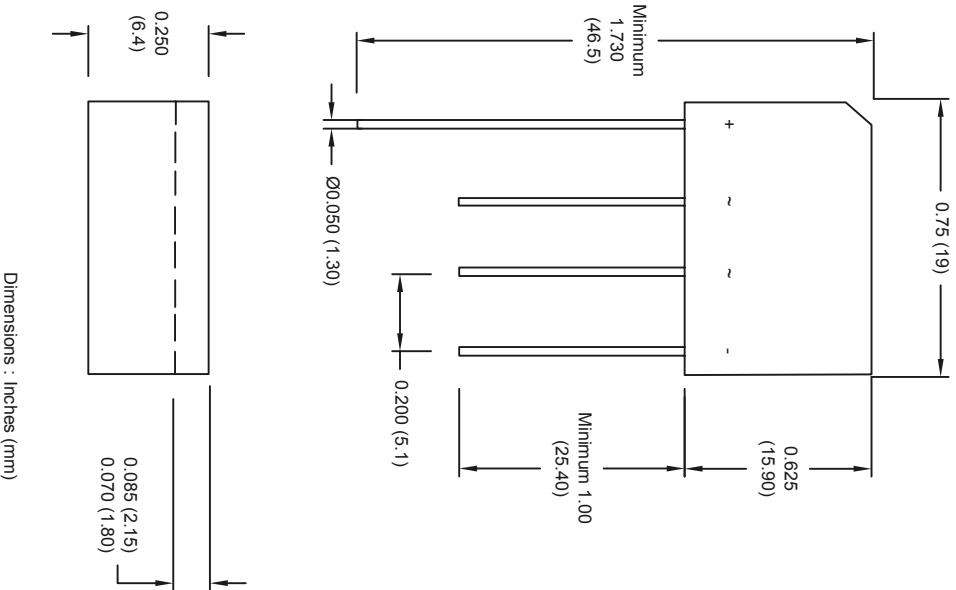
1. Maximum Recurrent Peak Reverse Voltage: 200V
2. Maximum RMS Bridge Input Voltage: 140V
3. Maximum DC Blocking Voltage: 200V
4. Maximum Average Rectified Output Current at 50°C ambient: 4.0A
5. Peak One Cycle Surge Overload Current: 200A
6. Maximum Forward Voltage Drop Per Bridge Element at 4.0A DC: 1.1V
7. Maximum Forward Voltage Drop Per Bridge Element 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 A²Sec
10. Typical thermal Resistance per Leg (Note 1) R θJA: 19.0°C/CW
11. Typical thermal Resistance per Leg (Note 2) R θJL: 2.4°C/CW
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



Dimensions : Inches (mm)

TOLERANCES:

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DRAWING TITLE:		SCALE:		SHEET:	
In-Line Miniature Single Phase Silicon Bridge Rectifier		NTS		1 OF 1	
SIZE	DWG. NO.	ELECTRONIC FILE	REV		
A	XXX	19c1132	A		

DISCLAIMER: ALL STATEMENTS AND TECHNICAL INFORMATION CONTAINED HEREIN ARE BASED UPON INFORMATION AND/OR TESTS WE BELIEVE TO BE ACCURATE AND RELIABLE. SINCE CONDITIONS OF USE ARE BEYOND OUR CONTROL, THE USER SHALL DETERMINE THE SUITABILITY OF THE PRODUCT FOR THE INTENDED USE AND ASSUME ALL RISK AND LIABILITY WHATSOEVER IN CONNECTION THEREWITH.

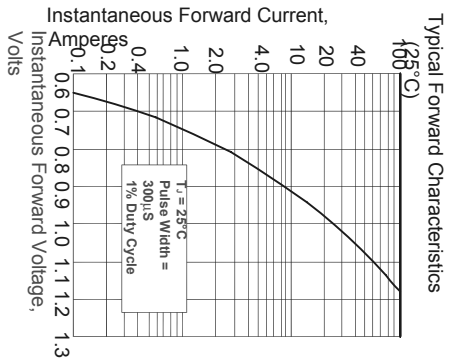
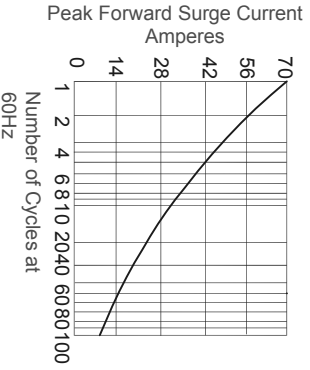
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SPC-F005.DWG

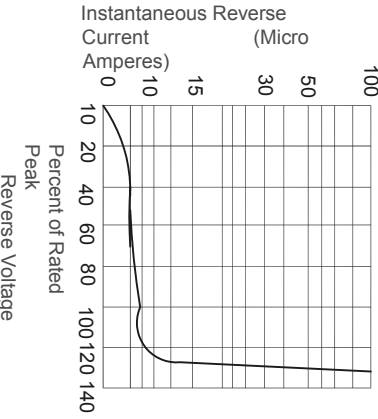
REVISIONS		DCP NO.	SPC-F005	* Effective:	7/8/02	* DCP No:	1398	
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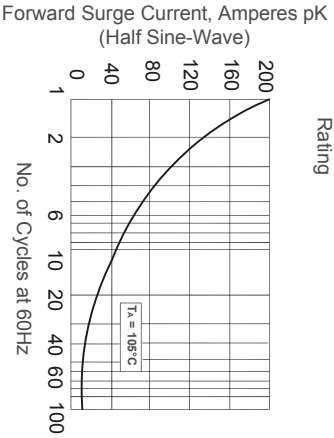
Output Current VS Ambient Temperature



Typical Reverse Characteristics (25°C)



Non-Recurrent Surge Rating



Part Number Table

Description	Part Number
In - Line Miniature Single Phase Silicon Bridge Rectifier	MCFL402-RHMCF L402-RH

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A	XXX	19c1132	A
SCALE:	NTS	U.O.M.: Millimeters	SHEET: 1 OF 1

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