REVISIONS								
DCP #	REV	DESCRIPTION	DRAWN	DATE	CHECKD	DATE	APPRVD	DATE
1002	A	RELEASED	HYO	3/12/01	JWM	12/5/01	DJC	12/5/01

DOC. NO. SPC-F005 * Effective: 12/21/98 * DCP No: 680

SPECIFICATIONS:

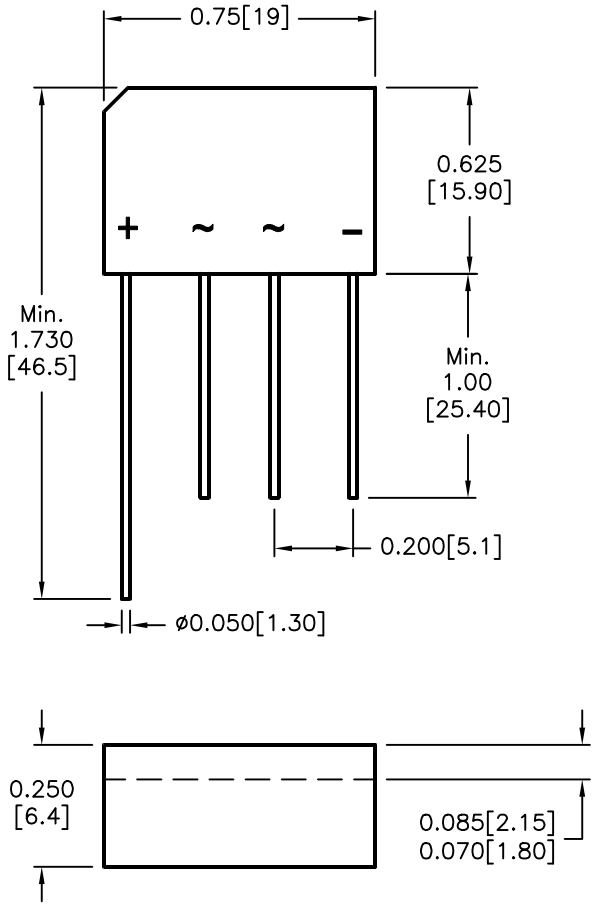
1. Maximum Recurrent Peak Reverse Voltage: 600V
2. Maximum RMS Bridge Input Voltage: 420V
3. Maximum DC Blocking Voltage: 600V
4. Maximum Average Rectified Output Current @ 50°C ambient: 4.0A
5. Peak One Cycle Surge Overload Current: 200A
6. Maximum Forward Voltage Drop Per Bridge Element @ 4.0A DC: 1.1V
7. Maximum (Total Bridge) Reverse Leakage at Rated DC Blocking Voltage: 10 μA
8. Maximum (Total Bridge) Reverse Leakage at Rated DC Blocking Voltage and 100°C: 1.0mA
9. I^2t Rating for Fusing (t < 8.3ms): 93.0 A^2Sec
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 ~ 125 °C
13. Storage Temperature Range: -55 ~ 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



UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE FOR REFERENCE PURPOSES ONLY.

DRAWN BY:	DATE:
HISHAM ODISH	3/12/01
CHECKED BY:	DATE:
JEFF MCVICKER	12/5/01
APPROVED BY:	DATE:
DANIEL CAREY	12/5/01

multicomp

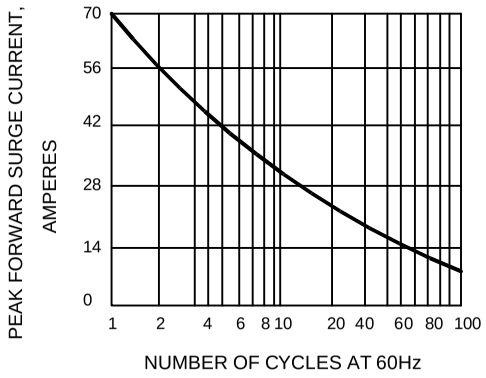
DRAWING TITLE:
In-Line Miniature Single Phase Silicon Bridge Rectifier

SIZE	DWG. NO.	ELECTRONIC FILE	REV
A	MCFL406	19C1133.DWG	A

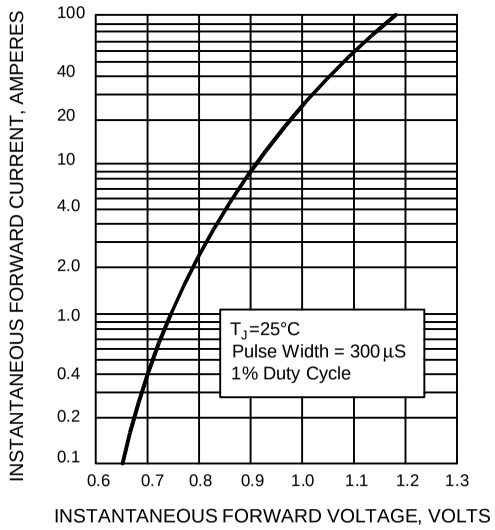
SCALE: NTS | U.O.M.: INCHES [mm] | SHEET: 1 OF 2

SPC-F005.DWG

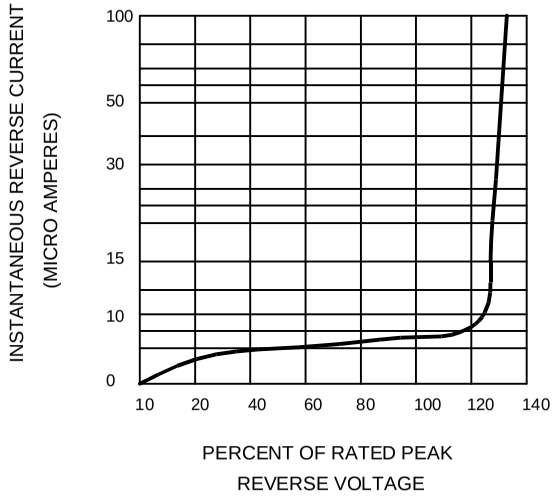
OUTPUT CURRENT VS AMBIENT TEMPERATURE



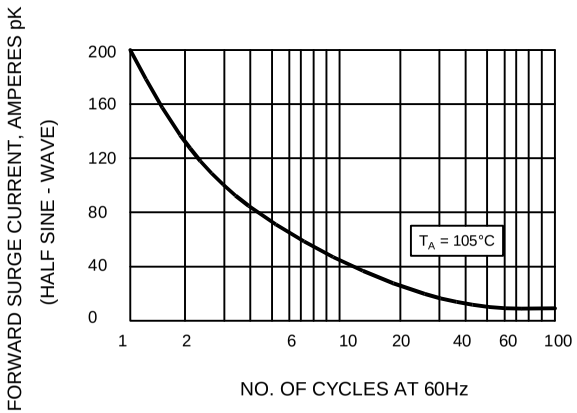
TYPICAL FORWARD CHARACTERISTICS (25°)



TYPICAL REVERSE CHARACTERISTICS (25°C)



NON-RECURRENT SURGE RATING



SIZE	DWG. NO.	ELECTRONIC FILE	REV
A	MCFL406	19C1133.DWG	A
SCALE: NTS	U.O.M.: INCHES [mm]	SHEET: 2 OF 2	