

FL400 THRU FL408

IN-LINE MINIATURE SINGLE PHASE SILICON BRIDGE VOLTAGE - 50 to 800 Volts CURRENT - 4.0 Amperes

Recongnized File #E111753

FEATURES

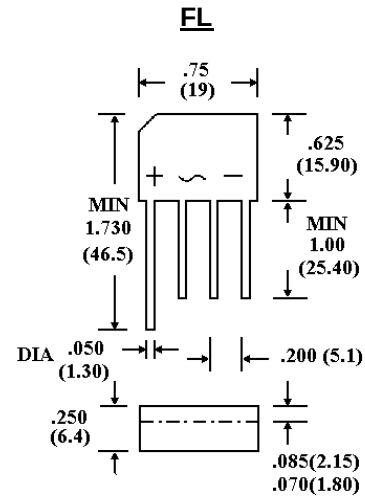
- Surge overload rating: 200 Amperes peak
- Ideal for printed circuit board
- Plastic package has Underwriter Laboratory Flammability Classification 94V-O
- Reliable low cost construction utilizing molded plastic technique

MECHANICAL DATA

Terminals: Lead solderable per MIL-STD-202,
Method 208

Mounting position: Any

Weight: 0.2 ounce, 5.6 grams



Dimensions in inches and (millimeters)

	FL400	FL401	FL402	FL404	FL406	FL408	UNITS
Maximum Recurrent Peak Reverse Voltage	50	100	200	400	600	800	V
Maximum RMS Bridge Input Voltage	35	70	140	280	420	560	V
Maximum DC Blocking Voltage	50	100	200	400	600	800	V
Maximum Average Rectified Output Current at 50 ¢J Ambient	4.0						A
Peak One Cycle Surge Overload Current	200						A
Maximum Forward Voltage Drop per Bridge Element at 4.0A DC	1.1						V
Max (Total Bridge) Reverse Leakage at Rated DC Blocking Voltage	10.0						£g A
Max (Total Bridge) Reverse Leakage at Rated DC Blocking Voltage and 100 ¢J	1.0						mA
I ² t Rating for fusing (t<8.3ms)	93.0						A ² Sec
Typical Thermal Resistance per leg(Note 2) R £KJA (Note 3) R £KJL	19.0 2.4						¢J/W
Operating Temperature Range	-55 TO +125						¢J
Storage Temperature Range	-55 TO +150						¢J

NOTES:

1. Thermal resistance from junction to ambient with units mounted on 3.0 jÑ 3.0 jÑ 0.11" thick (7.5 jÑ 7.5 jÑ 0.3cm) AL 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 jÑ 0.5" (12 jÑ 12mm) copper pads.

RATING AND CHARACTERISTIC CURVES

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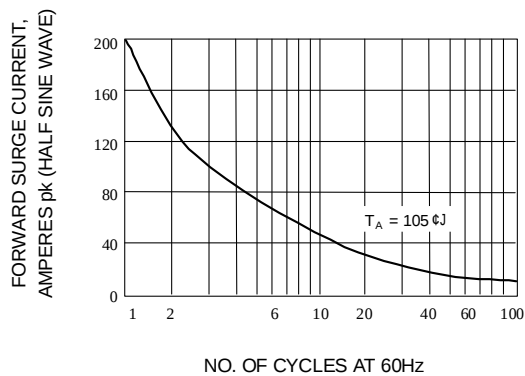


Fig. 1- MAXIMUM OVERLOAD SURGE CURRENT

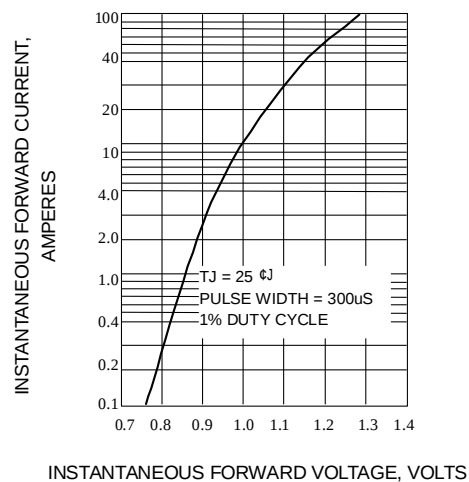


Fig. 2-TYPICAL FORWARD CHARACTERISTICS(25 °C)

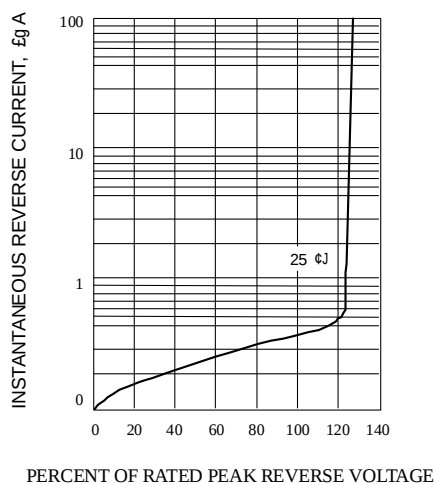


Fig. 3- REVERSE CHARACTERISTICS

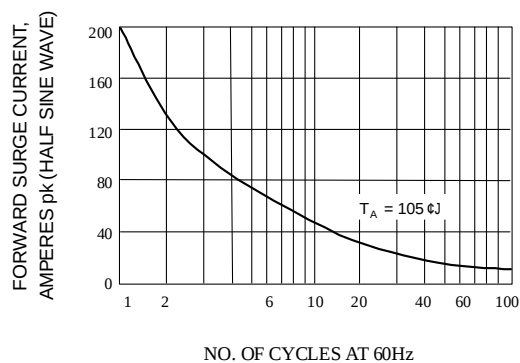


Fig. 4-NON-RECURRENT SURGE RATING