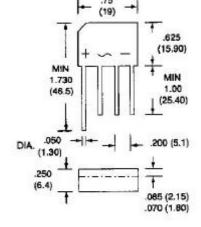
FL400 THRU FL408

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

FL

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



Dimensions in inches and (millimeters)

MECHANICAL DATA

Terminals: Lead solderable per MIL-STD-202,

Method 208

Mounting position: Any

Weight: 0.2 ounce, 5.6 grams

	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	4.0						Α
at 50 Ambient							
Peak One Cycle Surge Overload Current	200						Α
Maximum Forward Voltage Drop per Bridge	1.1						V
Element at 4.0A DC							
Max (Total Bridge) Reverse Leadage at	10.0						Α
Rated DC Blocking Voltage							
Max (Total Bridge) Reverse Leadage at	1.0						mA
Rated DC Blocking Voltage and 100							
I ² t Rating for fusing (t<8.3ms)	93.0						A ² Sec
Typical Thermal Resistance per leg(Note 2) R JA	19.0						/W
(Note 3) R JL	2.4						
Operating Temperature Range	-55 TO +125						
Storage Temperature Range	-55 TO +150						

NOTES:

- 1. Thermal resistance from junction to ambient with units mounted on $3.0\times3.0\times0.11$ " thick $(7.5\times7.5\times0.3\text{cm})$ AL Plate.
- 2. Thermal resistance from junction to lead with units mounted on P.C.B at 0.375"(9.5mm) lead length and 0.5×0.5 " (12×12 mm) copper pads.

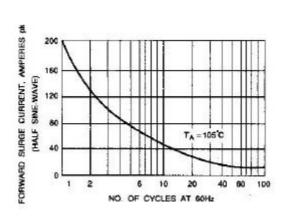


Fig. 1-MAXIMUM OVERLOAD SURGE CURRENT

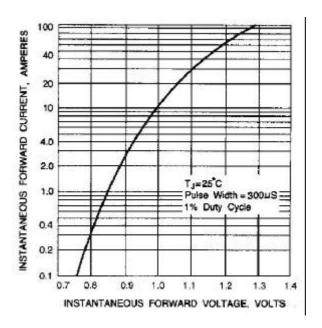


Fig. 2-TYPICAL FORWARD CHARACTERISTICS

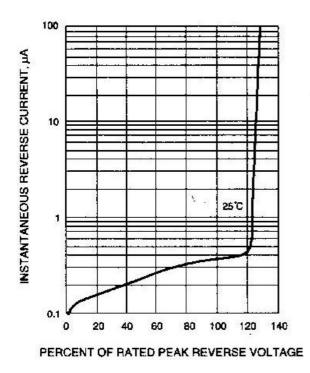


Fig. 3-REVERSE CHARACTERISTICS

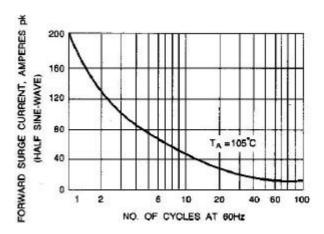


Fig. 4- NON-RECURRENT SURGE RATING