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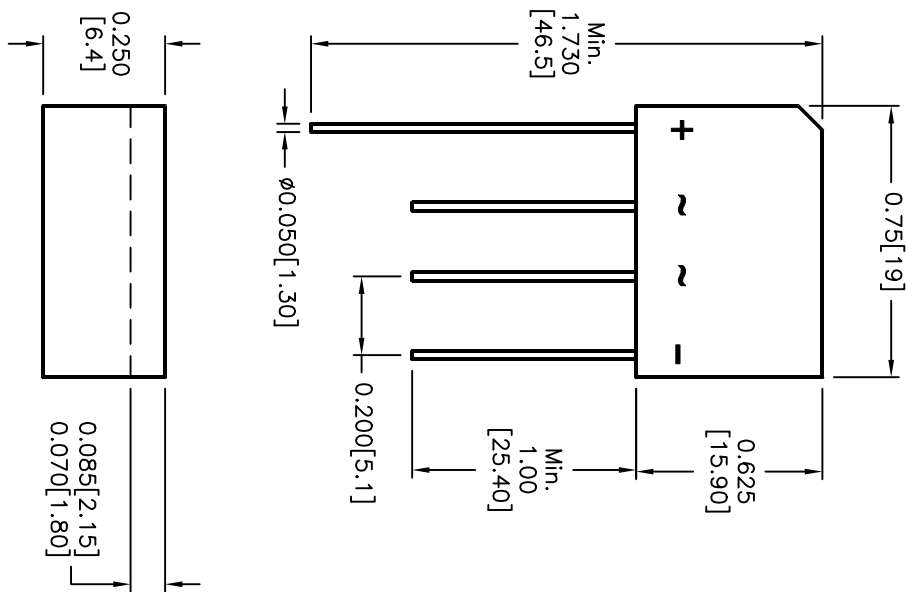
| REVISONS | | DOC. NO. SPC-F005 | Effective: 12/21/98 | | DCP No: 680 | |
|----------|-----|-------------------|---------------------|---------|-------------|---------|
| DCP # | REV | DESCRIPTION | DRAWN | DATE | CHECKD | DATE |
| 1002 | A | RELEASED | HYO | 3/12/01 | JWM | 12/5/01 |
| | | | | | DJC | 12/5/01 |



- 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. I²t Rating for Fusing (t < 8.3ms): 93.0 A²Sec
 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



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.

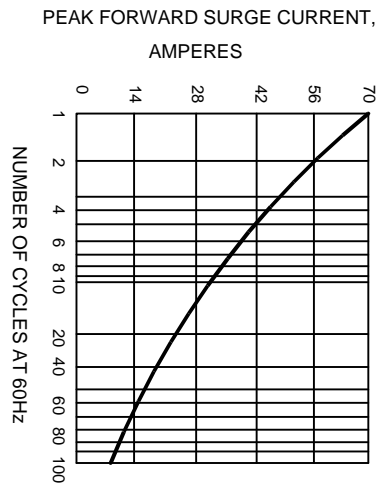
DRAWING TITLE:
 In-Line Miniature Single Phase Silicon Bridge Rectifier

multicomp [®]

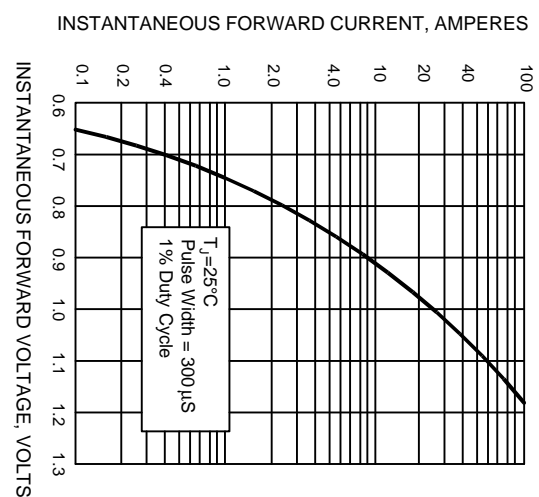
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|---|-----------|-------|
| UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE FOR REFERENCE PURPOSES ONLY. | DRAWN BY: | DATE: |
| HISHAM ODISH | 3/12/01 | |
| CHECKED BY: | DATE: | |
| JEFF MCWICKER | 12/5/01 | |
| APPROVED BY: | DATE: | |
| DANIEL CAREY | 12/5/01 | |

| | | | |
|--------|----------|---------------------|---------------|
| SIZE | DWG. NO. | ELECTRONIC FILE | REV |
| A | MCFLL406 | 19C1133.DWG | A |
| SCALE: | NTS | U.O.M.: INCHES [mm] | SHEET: 1 OF 2 |

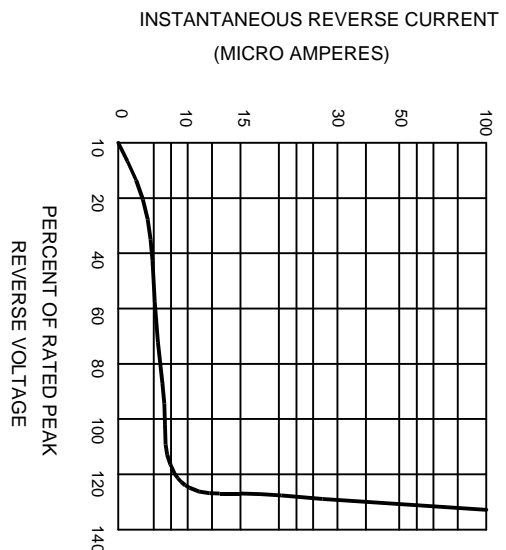
OUTPUT CURRENT VS AMBIENT TEMPERATURE



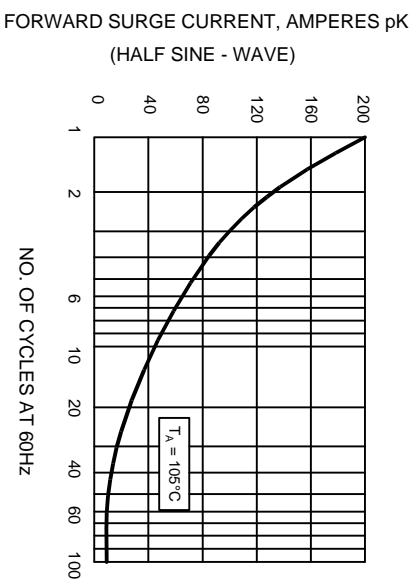
TYPICAL FORWARD CHARACTERISTICS (25°C)



TYPICAL REVERSE CHARACTERISTICS (25°C)



NON-RECURRENT SURGE RATING



| | | | |
|--------|----------|---------------------|---------------|
| SIZE | DWG. NO. | ELECTRONIC FILE | REV |
| A | MCFLL406 | 19C1133.DWG | A |
| SCALE: | NTS | U.O.M.: INCHES [mm] | SHEET: 2 OF 2 |