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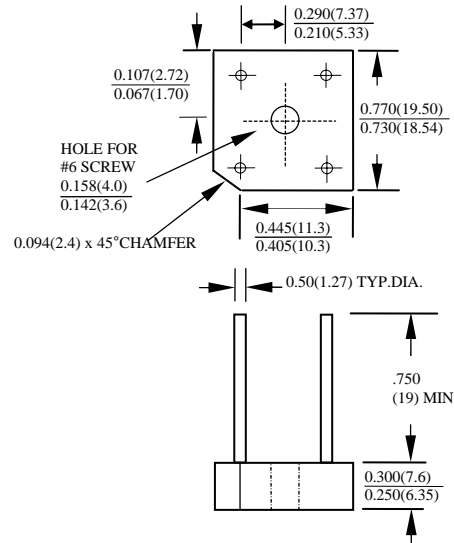
10A SILICON SINGLE-PHASE GLASS PASSIVATED BRIDGE RECTIFIERS PBP10-005G THRU PBP10-10G

FEATURES

- CURRENT RATING 10A
- GLASS PASSIVATED JUNCTION
- REVERSE VOLTAGE RATING UP TO 1000V
- TYPICAL IR LESS THAN 1 μ A
- HIGH TEMPERATURE SOLDERING GUARANTEED:
260°C /10 SECOND

MECHANICAL DATA

- CASE: VOID-FREE PLASTIC PACKAGE, DIMENSIONS
IN INCHES AND (MILLIMETERS)
- TERMINALS: LEADS, SOLDERABLE PER MIL-STD-202,
METHOD 208
- MOUNTING POSITION: ANY
- WEIGHT: 5 GRAMS



MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS RATINGS AT 25°C AMBIENT TEMPERATURE UNLESS OTHERWISE SPECIFIED SINGLE PHASE, HALF WAVE, 60 HZ, RESISTIVE OR INDUCTIVE LOAD. FOR CAPACITIVE LOAD, DERATE CURRENT BY 20%

| RATINGS | SYMBOL | PBP10 -005G | PBP10 -01G | PBP10 -02G | PBP10 -04G | PBP10 -06G | PBP10 -08G | PBP10 -10G | UNITS |
|--|-----------|----------------|---------------|---------------|---------------|---------------|---------------|---------------|-------|
| MAXIMUM RECURRENT PEAK REVERSE VOLTAGE | V_{RRM} | 50 | 100 | 200 | 400 | 600 | 800 | 1000 | V |
| MAXIMUM RMS VOLTAGE | V_{RMS} | 35 | 70 | 140 | 280 | 420 | 560 | 700 | V |
| MAXIMUM DC BLOCKING VOLTAGE | V_{DC} | 50 | 100 | 200 | 400 | 600 | 800 | 1000 | V |
| MAXIMUM AVERAGE FORWARD RECTIFIED OUTPUT CURRENT AT $T_C=55^\circ C$ | I_O | 10.0 | | | | | | | A |
| PEAK FORWARD SURGE CURRENT SINGLE SINE-WAVE SUPERIMPOSED ON RATED LOAD | I_{FSM} | 175 | | | | | | | A |
| STORAGE TEMPERATURE RANGE | T_{STG} | - 55 TO + 150 | | | | | | | °C |
| OPERATING TEMPERATURE RANGE | T_{OP} | - 55 TO + 150 | | | | | | | °C |

ELECTRICAL CHARACTERISTICS (AT $T_A=25^\circ C$ UNLESS OTHERWISE NOTED)

| CHARACTERISTICS | SYMBOL | PBP10 -005G | PBP10 -01G | PBP10 -02G | PBP10 -04G | PBP10 -06G | PBP10 -08G | PBP10 -10G | UNITS |
|--|--------|----------------|---------------|---------------|---------------|---------------|---------------|---------------|---------|
| MAXIMUM INSTANTANEOUS FORWARD VOLTAGE DROP AT 5.0A | V_F | 1.1 | | | | | | | V |
| MAXIMUM REVERSE CURRENT AT RAT-ED DC BLOCKING VOLTAGE PER ELEMENT $T_A=25^\circ C$ | I_R | 5 | | | | | | | μA |

RATINGS AND CHARACTERISTIC CURVES PBP10-005G THRU PBP10-10G

FIG. 1 - MAXIMUM OUTPUT RECTIFIED CURRENT

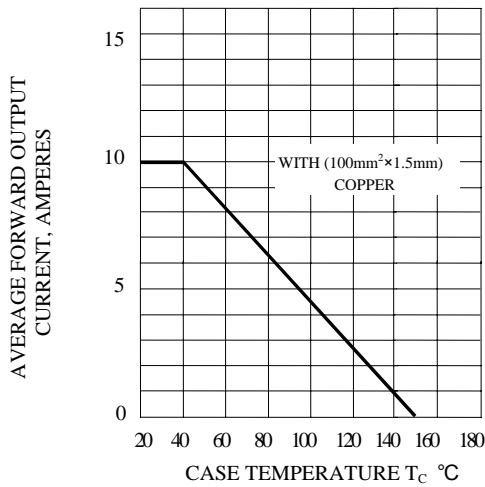


FIG. 3 - TYPICAL INSTANTANEOUS FORWARD CHARACTERISTICS

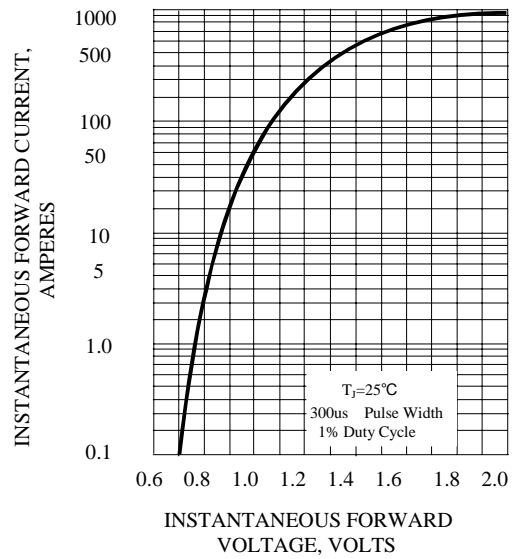


FIG. 2 - TYPICAL REVERSE CHARACTERISTICS AT $T_j=25°C$

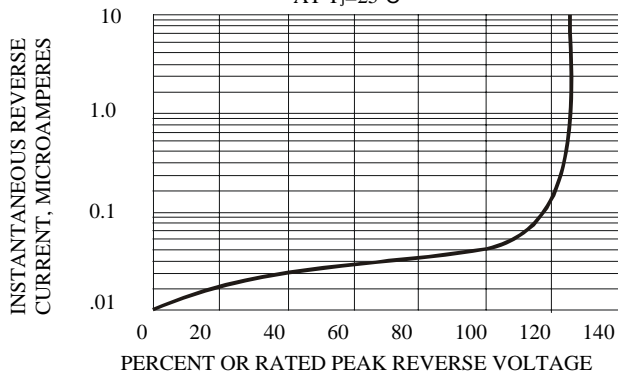


FIG. 4 - MAXIMUM NON-REPETITIVE PEAK FORWARD SURGE CURRENT

