



DB101(S) THRU DB107(S)

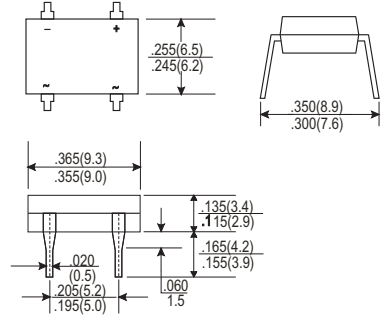
Single Phase 1.0 A Glass Passivated Bridge Rectifiers

Voltage Range 50 to 1000 Volts Current 1.0 Ampere

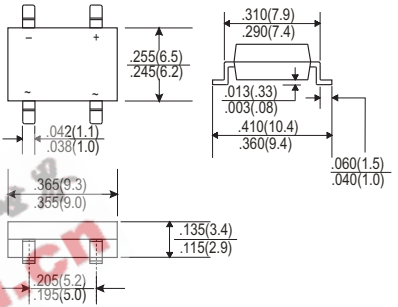
Features

- *UL Recognized File
- * Ideal for printed circuit board
- * Reliable low cost construction utilizing molded plastic technique
- * High temperature soldering guaranteed:
250°C / 10 seconds / 0.375" (9.5mm) lead length at 5lbs.,
(2.3kg) tension
- *Small size, simple installation Leads solderable per
MIL-STD-202, Method 208
- * High surge current capability

DB-1



DBS



Maximum Ratings and Electrical Characteristics

Rating 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%

| Type Number | DB 101(S) | DB 102(S) | DB 103(S) | DB 104(S) | DB 105(S) | DB 106(S) | DB 107(S) | Units |
|--|--------------|--------------|--------------|--------------|--------------|--------------|--------------|----------|
| Maximum Recurrent Peak Reverse Voltage | 50 | 100 | 200 | 400 | 600 | 800 | 1000 | V |
| Maximum RMS Voltage | 35 | 70 | 140 | 280 | 420 | 560 | 700 | V |
| Maximum DC Blocking Voltage | 50 | 100 | 200 | 400 | 600 | 800 | 1000 | V |
| Maximum Average Forward Rectified Current @ T _A =40°C | 1.0 | | | | | | | A |
| Peak Forward Surge Current, 8.3 ms Single Half Sine-wave Superimposed on Rated Load (JEDEC method) | 50 | | | | | | | A |
| Maximum Instantaneous Forward Voltage @ 1.0A | 1.1 | | | | | | | V |
| Maximum DC Reverse Current @ T _A =25°C At Rated DC Blocking Voltage @ T _A =125°C | 10 500 | | | | | | | uA uA |
| Operating Temperature Range T _J | -55 to +125 | | | | | | | °C |
| Storage Temperature Range T _{STG} | -55 to +125 | | | | | | | °C |

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RATINGS AND CHARACTERISTIC CURVES (DB101(S) THRU DB107(S))

