

DB201S-AT THRU DB207S-AT

SINGLE PHASE GLASS PASSIVATED BRIDGE RECTIFIERS

Voltage Range - 50 to 1000 Volts

Current - 2.0 Ampere

FEATURES

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

MECHANICAL DATA

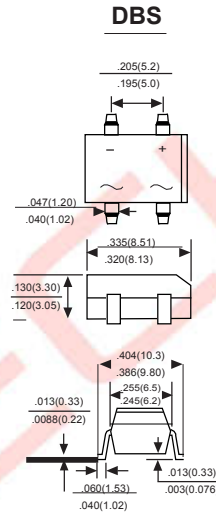
Case: Molded plastic body

Terminals: Plated leads solderable per MIL-STD-750, Method 2026

Polarity: Polarity symbols marked on case

Mounting Position: Any

Weight: 0.02 ounce, 0.4 grams



Marking: DB201~DB207

Dimensions in inches and (millimeters)

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Ratings at 25* ambient temperature unless otherwise specified.

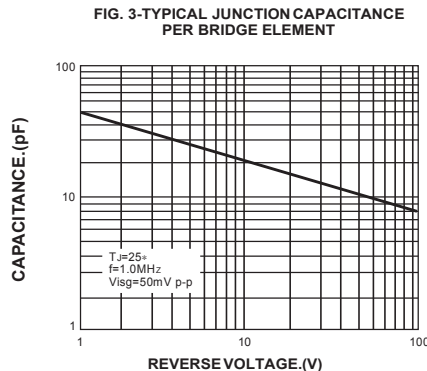
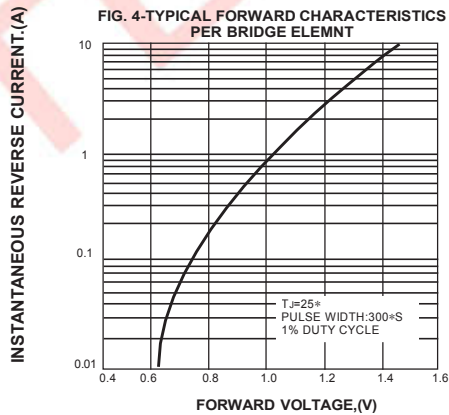
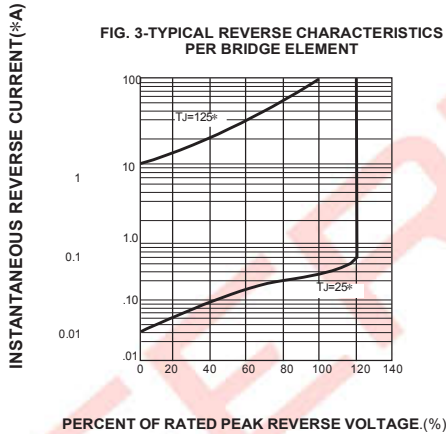
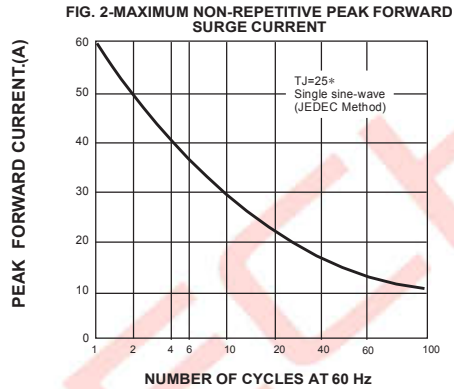
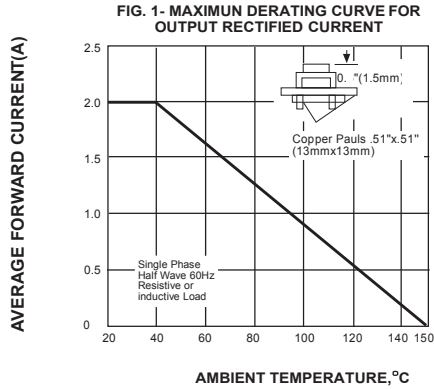
Single phase half-wave 60Hz, resistive or inductive load, For capacitive load derate current by 20%.

| MDD Catalog Number | SYMBOLS | DB201S-AT | DB202S-AT | DB203S-AT | DB204S-AT | DB205S-AT | DB206S-AT | DB207S-AT | UNITS |
|---|-------------|-------------|-----------|-----------|-----------|-----------|-----------|-----------|------------------|
| Maximum repetitive peak reverse voltage | V_{RRM} | 50 | 100 | 200 | 400 | 600 | 800 | 1000 | VOLTS |
| Maximum RMS voltage | V_{RMS} | 35 | 70 | 140 | 280 | 420 | 560 | 700 | VOLTS |
| Maximum DC blocking voltage | V_{DC} | 50 | 100 | 200 | 400 | 600 | 800 | 1000 | VOLTS |
| Maximum average forward rectified current at $T_A=40j \text{ } ^\circ\text{C}$ | $I_{F(AV)}$ | 2.0 | | | | | | | Amps |
| Peak forward surge current 8.3ms single half sine-wave superimposed on rated load (JEDEC) | I_{FSM} | 60 | | | | | | | Amps |
| Maximum instantaneous forward voltage drop per bridge element at 2.0A | V_F | 1.1 | | | | | | | Volts |
| Maximum DC reverse current at rated DC blocking voltage | I_R | 10 | | | | | | | μA |
| | | 500 | | | | | | | μA |
| Operating temperature range | T_J | -55 to +150 | | | | | | | $^\circ\text{C}$ |
| storage temperature range | T_{STG} | -55 to +150 | | | | | | | $^\circ\text{C}$ |

NOTES: DBS for surface mount package.

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RATINGS AND CHARACTERISTIC CURVES DB207S-AT



The curve graph is for reference only, can't be the basis for judgment(曲线图仅供参考)!