

DB201 THRU DB207

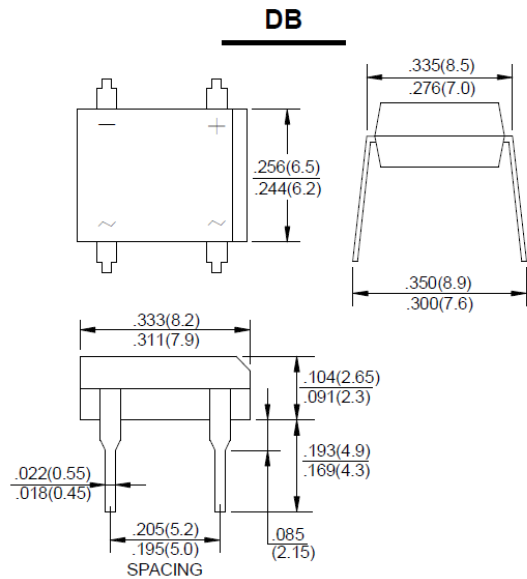
Silicon Bridge Rectifiers
Reverse Voltage - 50 to 1000 V
Forward Current - 3 A

Features

- The plastic package carries Underwriters Laboratory Flammability Classification 94V-0
- Ideal for printed circuit boards
- Low reverse leakage
- High forward surge current capability

Mechanical Data

- **Case:** Molded plastic body
- **Terminals:** Plated leads solderable per MIL-STD-750, Method 2026
- Mounting position: Any



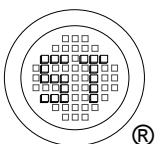
Dimensions in inches and (millimeters)

Absolute Maximum Ratings and 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%.

Parameter	Symbols	DB201	DB202	DB203	DB204	DB205	DB206	DB207	Units
	Marking	DB201	DB202	DB203	DB204	DB205	DB206	DB207	-
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 Current $T_A = 40^\circ\text{C}$ ¹⁾	$I_{F(AV)}$	3							A
Peak Forward Surge Current 8.3 ms Single Half Sine Wave Superimposed on Rated Load (JEDEC Method)	I_{FSM}	70							A
Rating for Fusing ($t < 8.3$ ms)	I^2t	10							A ² S
Maximum Forward Voltage at 1 A	V_F	1.1							V
Maximum Reverse Current $T_A = 25^\circ\text{C}$ at Rated DC Blocking Voltage $T_A = 100^\circ\text{C}$	I_R	10 0.5							μA mA
Typical Junction Capacitance at $V_R = 4$ V, $f = 1$ MHz	C_J	25							pF
Typical Thermal Resistance ¹⁾	$R_{\theta JA}$	40							$^\circ\text{C}/\text{W}$
Operating Junction and Storage Temperature Range	T_j, T_{stg}	- 65 to + 150							$^\circ\text{C}$

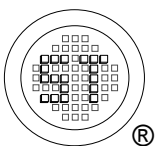
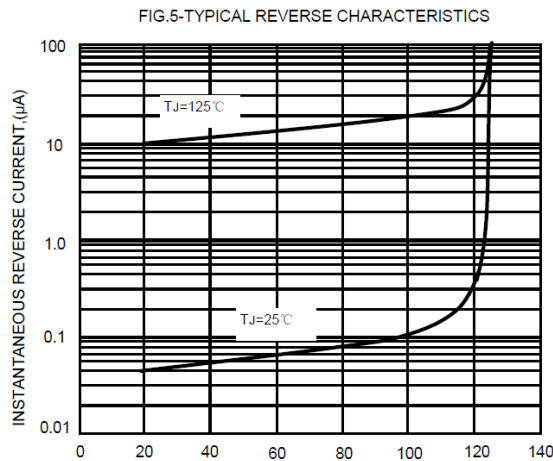
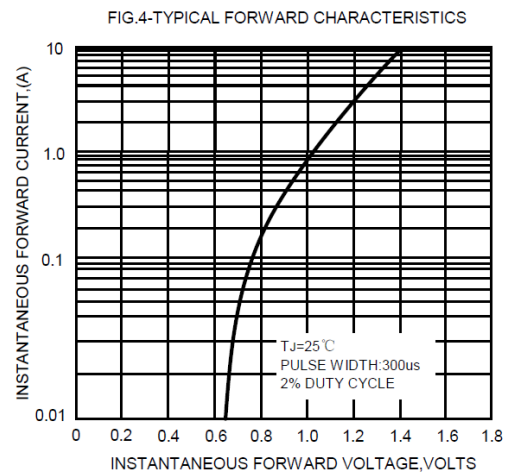
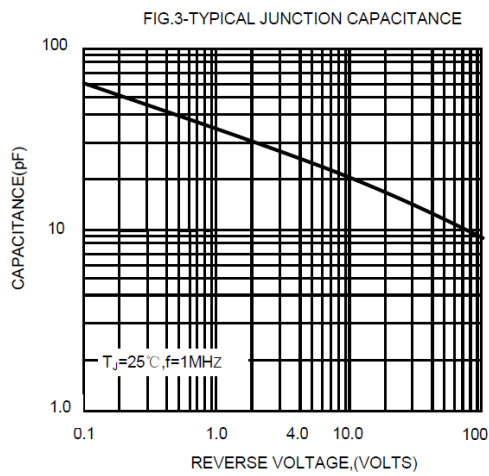
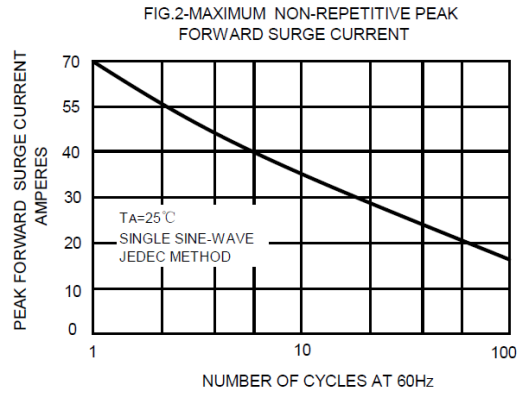
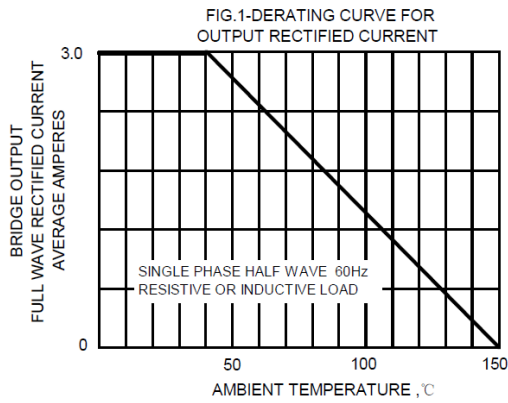
¹⁾ Unit mounted on P.C. board with 0.51" x 0.51" (13 x 13 mm) copper pads.



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 ISO 14001:2004 Certificate No. 71116
 ISO 9001:2008 Certificate No. 50719410
 BS-OHSAS 18001:2007 Certificate No. 71116
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