DB151 THRU DB157

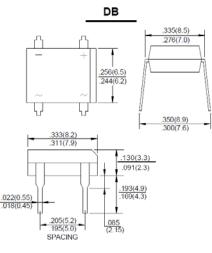
Single-Phase Glass Passivated Silicon Bridge Rectifier Reverse Voltage - 50 to 1000 V Forward Current - 1.5 A

Features

- · Ideal for printed circuit board
- Low forward voltage drop
- Glass passivated chip junction

Mechanical data

- Case Molded plastic, DB
- Mounting position: Any



Dimensions in inches and (millimeters)

Maximum Ratings and Electrical Characteristics

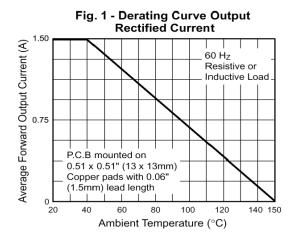
Ratings at 25 °C ambient temperature unless otherwise specified. Single phase, half wave, 60Hz, resistive or inductive load. For capacitive load, derate current by 20%.

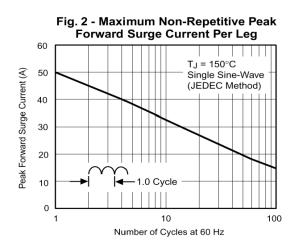
Parameter	Symbols	DB151	DB152	DB153	DB154	DB155	DB156	DB157	Units
	Marking	DB151	DB152	DB153	DB154	DB155	DB156	DB157	-
Maximum Recurrent Peak Reverse Voltage	V_{RRM}	50	100	200	400	600	800	1000	V
Maximum RMS Voltage	V_{RMS}	35	70	140	280	420	560	700	V
Maximum DC Blocking Voltage	V _{DC}	50	100	200	400	600	800	1000	V
Maximum Average Forward Rectified Current at $T_a = 40 ^{\circ}C^{2}$	I _(AV)	1.5							А
Peak Forward Surge Current 8.3 ms Single half- sine-wave Superimposed on Rated Load (JEDEC method)	I _{FSM}	50							A
Maximum Forward Voltage at I _F = 1.5 A DC	V _F	1.1						V	
Maximum Reverse Current $T_a = 25 ^{\circ}C$ at Rated DC Blocking Voltage $T_a = 125 ^{\circ}C$	I _R	5 500							μA
Typical Junction Capacitance ¹⁾	Cj		25						
Typical Thermal Resistance ²⁾	R _{θJA}	40						°C/W	
Typical Thermal Resistance ²⁾	$R_{ extsf{ heta}JL}$		15						
Operating and Storage Temperature Range	T_J,T_Stg	-55 to +150							°C

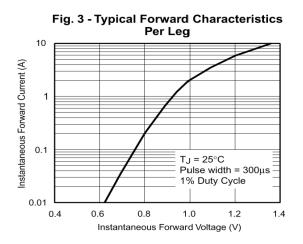
¹⁾ Measured at 1 MHz and applied reverse voltage of 4 V DC.

²⁾ Thermal resistance from junction to ambient and junction to lead mounted on P.C.B. with 0.5 x 0.5" (13 x13 mm) copper pads.









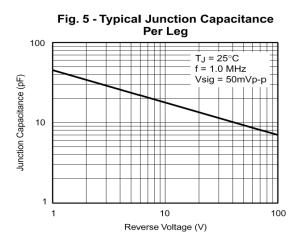


Fig. 4 - Typical Reverse Leakage Characteristics Per Leg

