DB151S THRU DB157S

SINGLE PHASE GLASS PASSIVATED SURFACE MOUNT BRIDGE RECTIFIER

VOLTAGE: 50 to 1000V CURRENT: 1.5A



FEATURE

Glass passivated junction Ideal for printed circuit board

Reliable low cost construction utilizing molded plastic technique

Surge overload rating: 50A peak

MECHANICAL DATA

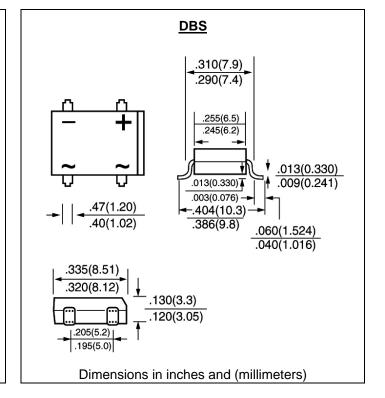
Terminal: Plated leads solderable per MIL-STD 750,

method 2026

Case: UL-94 Class V-0 recognized Flame Retardant Epoxy

Polarity: Polarity symbol marked on body

Mounting position: any



MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

(single-phase, half -wave, 60Hz, resistive or inductive load rating at 25°C, unless otherwise stated)

		Symbol	DB 151S	DB 152S	DB 153S	DB 154S	DB 155S	DB 156S	DB 157S	units
Maximum Recurrent Peak Reverse Voltage		Vrrm	50	100	200	400	600	800	1000	V
Maximum RMS Voltage		Vrms	35	70	140	280	420	560	700	V
Maximum DC blocking Voltage		Vdc	50	100	200	400	600	800	1000	V
Maximum Average Forward Rectified Current at Ta =40°C		If(av)	1.5							А
Peak Forward Surge Current 8.3ms single half sine- wave superimposed on rated load		Ifsm	50.0							А
Rating for fusing(t<8.3ms)		l ² t	10							A ² sec
Maximum Instantaneous Forward Voltage at rated Forward Current		Vf	1.1							V
Maximum DC Reverse Current at rated DC blocking voltage	Ta =25℃ Ta =125℃	lr	10.0 500.0						μА	
Typical Thermal Resistance	(Note1)	Rth(ja) Rth(jl)	40 15				°C/W			
Typical Junction Capacitance (Note2)		Cj	25.0							pF
Storage and Operation Junction Temperature		Tstg, Tj	-55 to +150							$^{\circ}$ C
Mata		•	•							

Note:

- 1. Thermal resistance from Junction to Ambient and from Junction to Lead mounted on P.C.B. with 0.51×0.51"(13×13mm) copper pads
- 2. Measured at 1.0 MHz and applied voltage of 4.0 volt

RATINGS AND CHARACTERISTIC CURVES DB151S THRU DB157S

