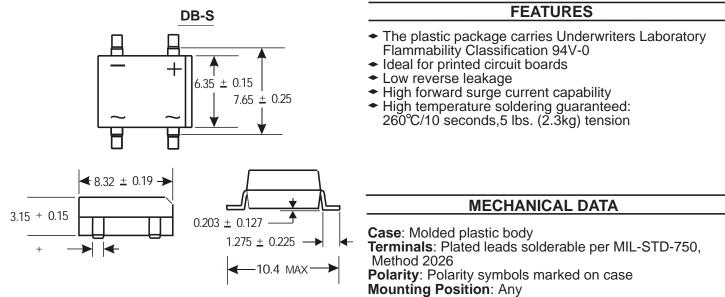
## DF1505S THRU DF1510S AND DB151S THRU DB157S SILICON BRIDGE RECTIFIERS

Reverse Voltage - 50 to 1000 Volts Forward Current - 1.5 Ampere



Dimensions in inches and (millimeters)

Weight: 0.04 ounce, 1.0 grams

## MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

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

	SYMBOLS	DF1505S DB151S	DF1501S DB152S			DF1506S DB155S		DF1510S DB157S	UNITS
Maximum repetitive peak reverse voltage	Vrrm	50	100	200	400	600	800	1000	VOLTS
Maximum RMS voltage	Vrms	35	70	140	280	420	560	700	VOLTS
Maximum DC blocking voltage	Vdc	50	100	200	400	600	800	1000	VOLTS
Maximum average forward output rectified current 0.06"(1.5mm) lead lenth at Ta=40°C (Note 2)	l(AV)	1.5						Amps	
Peak forward surge current 8.3ms single half sine-wave superimposed on rated load (JEDEC Method)	Ifsm	50.0							Amps
Rating for Fusing(t<8.3ms)	l <sup>2</sup> t	10						A²s	
Maximum instantaneous forward voltage drop per birdge element at 1.5A	Vf	1.1							Volts
Maximum DC reverse current TA=25°C	1-	10							μA
at rated DC blocking voltage Ta=100°C	IR	0.5							mA
Typical Junction Capacitance (Note 1)	Сл	25						pF	
Typical Thermal Resistance (Note 2)	Rqja	40						°C/W	
Operating junction temperature range	TJ	-65 to +150						°C	
storage temperature range	Тѕтс	-65 to +150						°C	

## NOTES:

1.Measured at 1.0 MHz and applied reverse voltage of 4.0 Volts.

2.Unit mounted on P.C. board with 0.51" x 0.51"(13x13mm) copper pads.



