

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

MAX 189 (4.8) 007(0.180) .0039 (0.100) 028 (0.700) 4 .028 (0.7) MAX .209 (5.3) MAX_059 (1.5) .165 (4.2)

Dimensions in inches and (millimeters)

Ratings at 25 °C ambient temperature unless otherwise specified. resistive or inductive load.

MAXIMUM RATINGS (At $T_A = 25^{\circ}C$ unless otherwise noted)

RATINGS	SYMBOL	SLDB051S	SLDB052S	SLDB053S	SLDB054S	SLDB055S	SLDB056S	SLDB057S	UNITS
Maximum Recurrent Peak Reverse Voltage	VRRM	50	100	200	400	600	800	1000	Volts
Maximum RMS Bridge Input 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 Output Current at $T_A = 40^{\circ}C$	I ₀	0.5							Amps
Peak Forward Surge Current 8.3 ms single half sine-wave superimposed on rated load (JEDEC method)	I _{FSM}	15							Amps
Typical Current Squared Time	l ² t	0.9							A ² /S
Typical Thermal Resistance (Note 2)	R _{θJA}	70							°C/W
	RθJL	30							
Operating and Storage Temperature Range	TJ,TSTG	-55 to + 150							°C

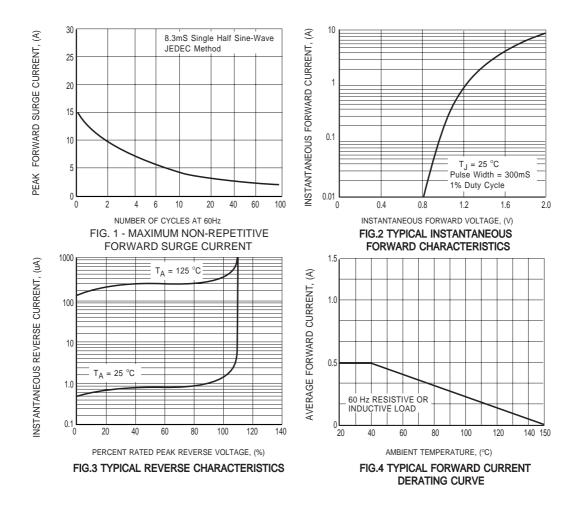
ELECTRICAL CHARACTERISTICS (At $T_A = 25^{\circ}C$ unless otherwise noted)

CHARACTERISTICS		SYMBOL	SLDB051S	SLDB052S	SLDB053S	SLDB054S	SLDB055S	SLDB056S	SLDB057S	UNITS
Maximum Forward Voltage Drop per Bridge		VF	1.1							Volts
Element at 0.5A DC		VF								
Maximum Reverse Current at Rated	@T _A = 25°C	I-	2.0							uAmps
DC Blocking Voltage per element	@T _A = 125°C	IR IR				0.5				mAmps
lote: 1."Fully ROHS compliant","100% Sn plating(Pb-free).							2010-5			
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2. Thermal Resistance: Mounted on PCB.

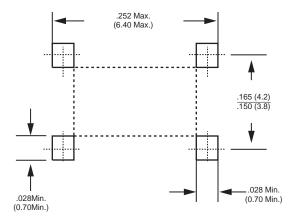
3. Available in Halogen-free epoxy by adding suffix -HF after the part nbr.







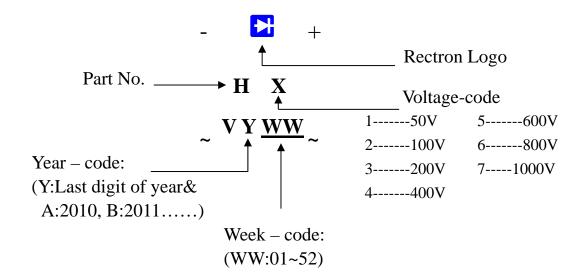
Mounting Pad Layout



Dimensions in inches and (millimeters)



Marking Description





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