SENSITRON SEMICONDUCTOR

TECHNICAL DATA DATA SHEET 335, REV. C

POWER SCHOTTKY RECTIFIER Very Low Voltage Drop

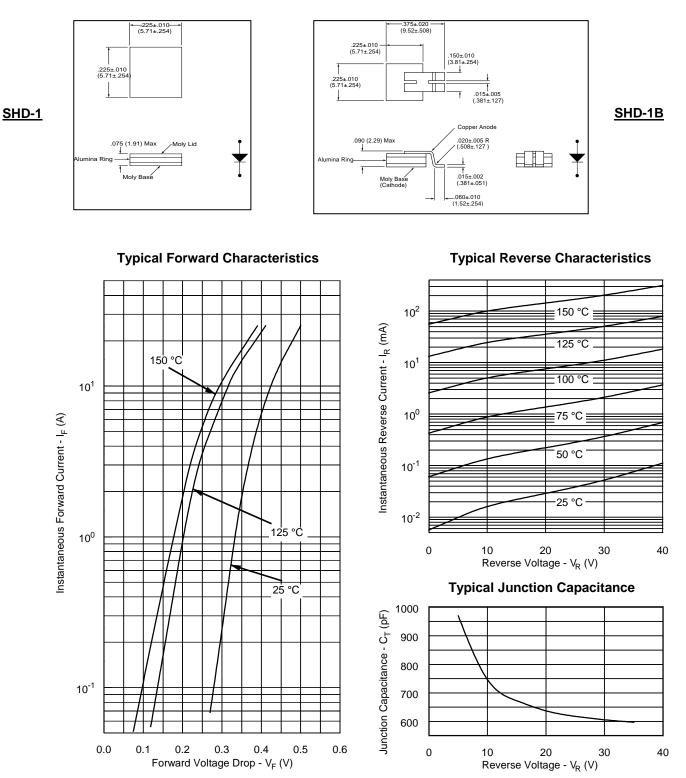
DESCRIPTION: 30 VOLT, 15 AMP, POWER SCHOTTKY RECTIFIER IN A HERMETIC SHD-1/1B PACKAGE.

MAXIMUM RATINGS ALL RAT	ALL RATINGS ARE $@$ T _c = 25 °C UNLESS OTHERWISE SPECIFIED				
RATING		SYMBOL	MAX.	UNITS	
PEAK INVERSE VOLTAGE		PIV	30	Volts	
MAXIMUM DC OUTPUT CURRENT (With Cathode Maintained	d @ T _C =100 ^O C)	Ι _Ο	15	Amps	
MAXIMUM NONREPETITIVE FORWARD SURGE CURRENT		I _{FSM}	280	Amps	
(t=8.3ms, Sine)					
MAXIMUM JUNCTION CAPACITANCE	(V _r =5V)	Cτ	1100	pF	
MAXIMUM THERMAL RESISTANCE (Junction to Mounting Surface, Cathode)		$R_{ ext{ heta}JC}$	1.70	°C/W	
MAXIMUM OPERATING AND STORAGE TEMPERATURE RANGE		Top/Tstg	-65 to + 150	°C	

ELECTRICAL CHARACTERISTICS

CHARACTERISTIC	SYMBOL	MAX.	UNITS
MAXIMUM FORWARD VOLTAGE DROP, Pulsed ($I_f = 15 \text{ Amps}$)			
T _J = 25 °C	V _f	0.49	Volts
T _J = 125 °C	- 1	0.39	
MAXIMUM REVERSE CURRENT (Ir @ 30V PIV)			
T _J = 25 °C	l,	2.0	mA
T _J = 125 °C		100	

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MECHANICAL DIMENSIONS: In Inches / mm

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