

TECHNICAL DATA DATA SHEET 1047, REV. -

POWER SCHOTTKY RECTIFIER

Very Low Voltage Drop (S-100 for JANTXV equivalent screening; SS for JANS equivalent screening available)

DESCRIPTION: A 30 VOLT, 15 AMP, POWER SCHOTTKY RECTIFIER IN A HERMETIC SHD-3/3A/3B PACKAGE.

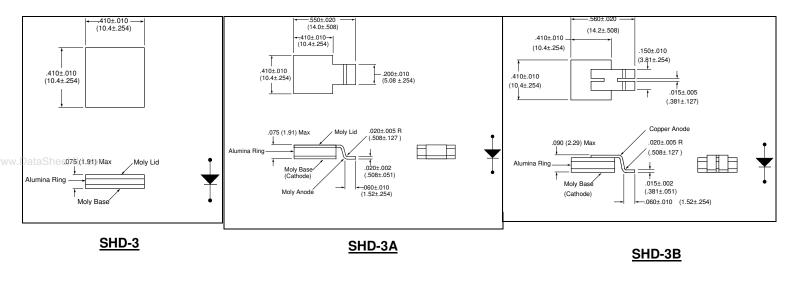
MAXIMUM RATINGS ALL RATINGS ARE @ $T_c = 25 \text{ °C}$ UNLESS OTHERWISE SPECIFIED				
RATING		SYMBOL	MAX.	UNITS
PEAK INVERSE VOLTAGE		PIV	30	Volts
MAXIMUM DC OUTPUT CURRENT (With Cathode Maintained @ T_{c} =100 $^{\circ}C$)		Ι _Ο	15	Amps
MAXIMUM NONREPETITIVE FORWARD SURGE CURRENT		I _{FSM}	280	Amps
(t=8.3ms, Sine)				
MAXIMUM JUNCTION CAPACITANCE	(V _r =5V)	C _T	1100	pF
MAXIMUM THERMAL RESISTANCE (Junction to Mounting Surface, Cathode)		$R_{ ext{ heta}JC}$	0.85	°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 (I, @ 30V PIV)			
T _J = 25 °C	l _r	2.0	mA
T _J = 125 °C		100	

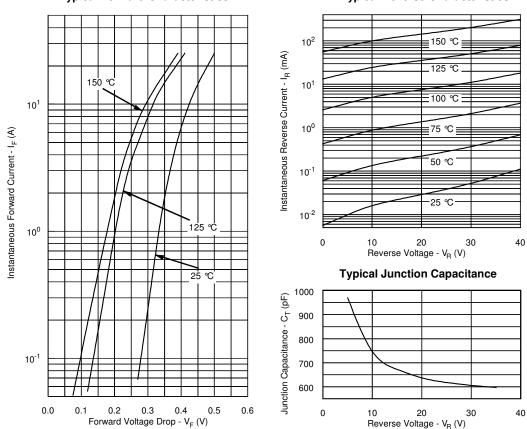
SENSITRON

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MECHANICAL DIMENSIONS: In Inches / mm

PINOUT TABLE		
ТҮРЕ	PIN 1 (Base)	PIN 2
SINGLE RECTIFIER	CATHODE	ANODE



Typical Forward Characteristics

Typical Reverse Characteristics

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TECHNICAL DATA

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