

**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.

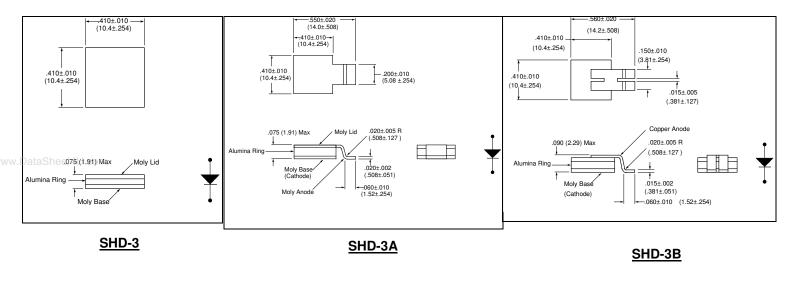
<b>MAXIMUM RATINGS</b> ALL RATINGS ARE @ $T_c = 25 \text{ °C}$ UNLESS OTHERWISE SPECIFIED				
RATING		SYMBOL	MAX.	UNITS
PEAK INVERSE VOLTAGE		PIV	30	Volts
MAXIMUM DC OUTPUT CURRENT (With Cathode Maintained @ $T_{c}$ =100 $^{\circ}C$ )		Ι <sub>Ο</sub>	15	Amps
MAXIMUM NONREPETITIVE FORWARD SURGE CURRENT		I <sub>FSM</sub>	280	Amps
(t=8.3ms, Sine)				
MAXIMUM JUNCTION CAPACITANCE	(V <sub>r</sub> =5V)	C <sub>T</sub>	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 <sub>J</sub> = 25 °C	V <sub>f</sub>	0.49	Volts
T <sub>J</sub> = 125 °C	•1	0.39	
MAXIMUM REVERSE CURRENT (I, @ 30V PIV)			
T <sub>J</sub> = 25 °C	l <sub>r</sub>	2.0	mA
T <sub>J</sub> = 125 °C		100	

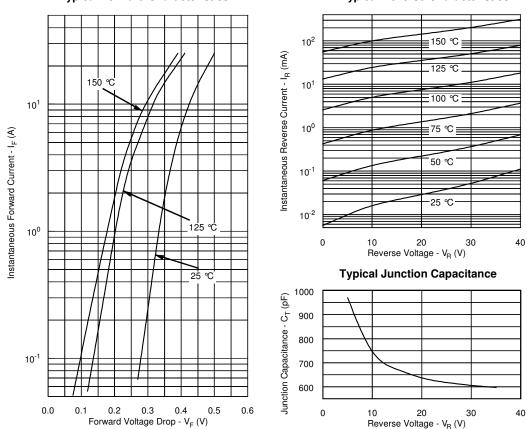
## SENSITRON

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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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