<u>SENSITRON</u> SEMICONDUCTOR

TECHNICAL DATA DATASHEET 4761, REV. A

HERMETIC POWER SCHOTTKY RECTIFIER Low Forward Voltage Drop

Applications:

• Switching Power Supply • Converters • Free-Wheeling Diodes • Polarity Protection Diode

Features:

- Low Forward Voltage Drop
- High Efficiency
- High Frequency Application
- Guard Ring for Enhanced Durability and Long Term Reliability

MAXIMUM RATINGS

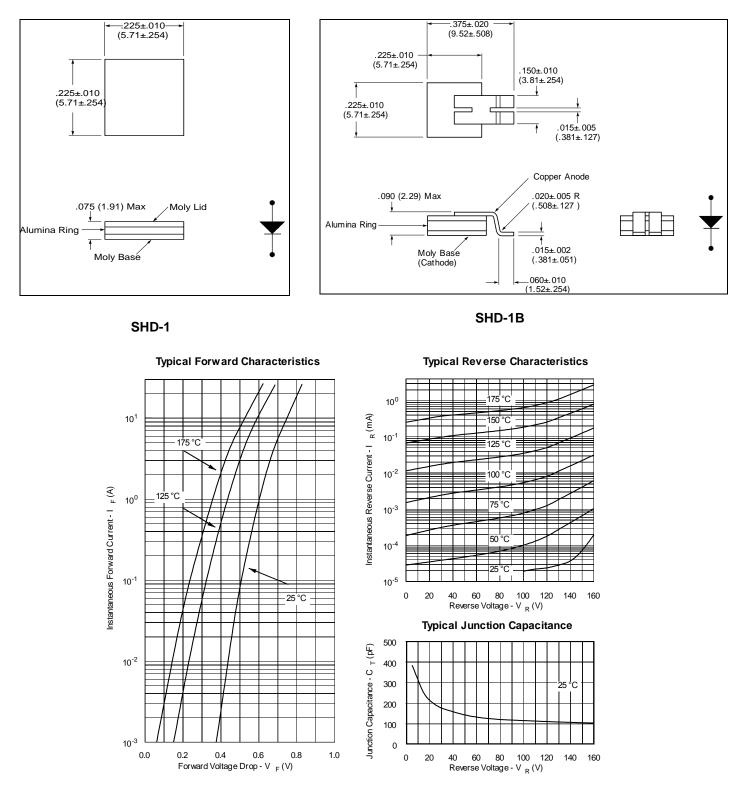
ALL RATINGS ARE @ T_C = 25 °C UNLESS OTHERWISE SPECIFIED.

RATING	SYMBOL	MAX.	UNITS
PEAK INVERSE VOLTAGE	PIV	150	Volts
MAXIMUM DC OUTPUT CURRENT (With Cathode Maintained @ T_c =100 $^{\circ}$ C)	Ι _ο	15	Amps
MAXIMUM NONREPETITIVE FORWARD SURGE CURRENT (t=8.3ms, Sine)	I _{FSM}	280	Amps
MAXIMUM THERMAL RESISTANCE (Junction to Mounting Surface, Cathode)	$R_{ ext{ heta}JC}$	1.7	°C/W
MAXIMUM OPERATING TEMPERATURE RANGE	Тор	-65 to + 175	°C
MAXIMUM STORAGE TEMPERATURE RANGE	Tstg	-65 to + 175	°C

ELECTRICAL CHARACTERISTICS

CHARACTERISTIC		SYMBOL	MAX.	UNITS
MAXIMUM FORWARD VOLTAGE DROP, Pulsed (I _f = 15 Amps)			
	Г _Ј = 25 °C Г _Ј = 125 °C	V _f	0.88 0.72	Volts
MAXIMUM REVERSE CURRENT (Ir @ 150V PIV)				
	Г _Ј = 25 °C Г _Ј = 125 °C	I _r	0.5 8	mA
MAXIMUM JUNCTION CAPACITANCE	(V _r =5V)	C _T	500	pF

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MECHANICAL DIMENSIONS: In Inches / mm

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