TECHNICAL DATA DATASHEET 4763, REV. A

HERMETIC POWER SCHOTTKY RECTIFIER

Low Forward Voltage Drop

Add Suffix "S" to Part Number for S-100 Screening.

Applications:

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

Features:

- Ultra low Reverse Leakage Current
- Soft Reverse Recovery at Low and High Temperature
- High Surge Capacity
- Guard Ring for Enhanced Durability and Long Term Reliability

DESCRIPTION: A 60-VOLT, 30 AMP DUAL POWER SCHOTTKY RECTIFIER IN A HERMETIC SHD-4/4A/4B PACKAGE.

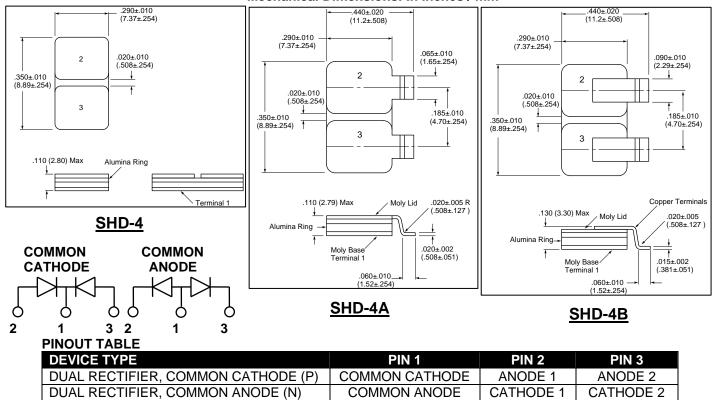
MAXIMUM RATINGS ALL RATINGS ARE @ $T_c = 25 \degree C$ UN	ALL RATINGS ARE @ T_c = 25 °C UNLESS OTHERWISE SPECIFIED.					
RATING	SYMBOL	MAX.	UNITS			
PEAK INVERSE VOLTAGE	PIV	60	Volts			
MAXIMUM DC OUTPUT CURRENT (With Cathode Maintained @ T_c =100 $^{\circ}$ C)	Ι _ο	30	Amps			
MAXIMUM NONREPETITIVE FORWARD SURGE CURRENT (t=8.3ms, Sine)	I _{FSM}	280	Amps			
MAXIMUM THERMAL RESISTANCE (Junction to Mounting Surface, Cathode)	R _{eJC}	0.4	°C/W			
MAXIMUM OPERATING TEMPERATURE RANGE	Top/Tstg	-65 to + 175	°C			
MAXIMUM STORAGE TEMPERATURE RANGE	Top/Tstg	-65 to + 175	°C			

ELECTRICAL CHARACTERISTICS

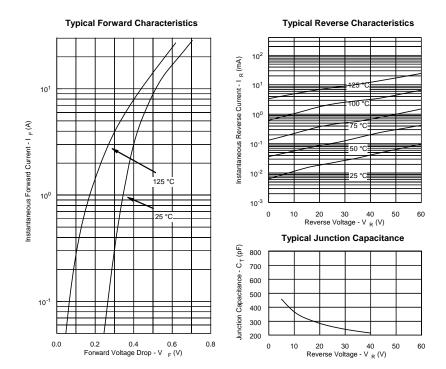
CHARACTERISTIC			SYMBOL	MAX.	UNITS
MAXIMUM FORWARD VOLTAGE DROP, Pulsed	(I _f = 30 Amps)				
	T」= 25 °C T」= 125 °C		V _f	0.74 0.67	Volts
MAXIMUM REVERSE CURRENT (Ir @ 60V PIV)					
	T」= 25 °C T」= 125 °C		I _r	0.4 30	mA
MAXIMUM JUNCTION CAPACITANCE		(V _r =5V)	C _T	720	pF

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Mechanical Dimensions: In Inches / mm



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