TECHNICAL DATA
DATA SHEET 252, REV. B

HERMETIC POWER SCHOTTKY RECTIFIER
200°C Maximum Operation Temperature

DESCRIPTION: 100 VOLT, 16 AMP, DUAL HERMETIC POWER SCHOTTKY RECTIFIER IN A SHD-4/4A PACKAGE.

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

RATING	SYMBOL	MAX.	UNITS
PEAK INVERSE VOLTAGE	PIV	100	Volts
MAXIMUM DC OUTPUT CURRENT (With Cathode Maintained @ T_C=100 °C)	I_O	32	Amps
MAXIMUM NONREPETITIVE FORWARD SURGE CURRENT (t=10ms, Sine)	I_{FSM}	240	Amps
MAXIMUM JUNCTION CAPACITANCE (V_r=5V)	C_T	600	pF
MAXIMUM THERMAL RESISTANCE (Junction to Mounting Surface, Cathode)	$R\theta_{JC}$	0.85	°C/W
MAXIMUM OPERATING AND STORAGE TEMPERATURE RANGE	Top/Tstg	-65 to + 200	°C

ELECTRICAL CHARACTERISTICS

CHARACTERISTIC			
MAXIMUM FORWARD VOLTAGE DROP, Pulsed (per leg, I_f = 16 Amps)			
T_J = 25 °C	V_f	0.85	Volts
T_J = 125 °C		0.69	
MAXIMUM REVERSE CURRENT (per leg, I_r @ 100V PIV)			
T_J = 25 °C	I_r	0.1	mA
T_J = 125 °C		2.0	

SENSITRON

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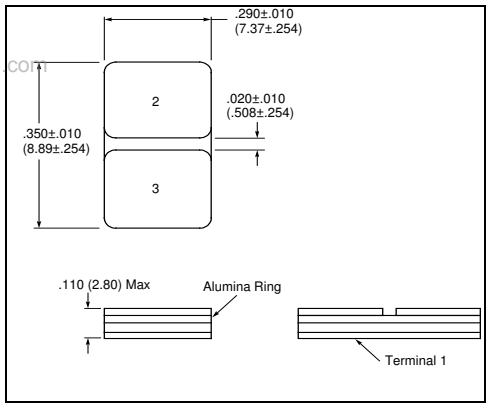
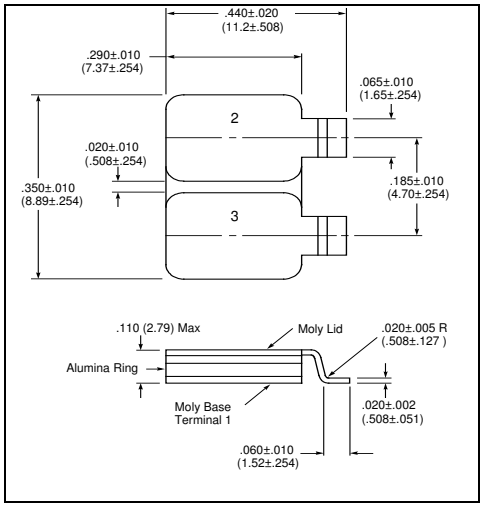
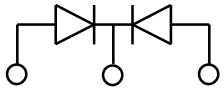
MECHANICAL DIMENSIONS: In Inches / mm



SHD-4



SHD-4A

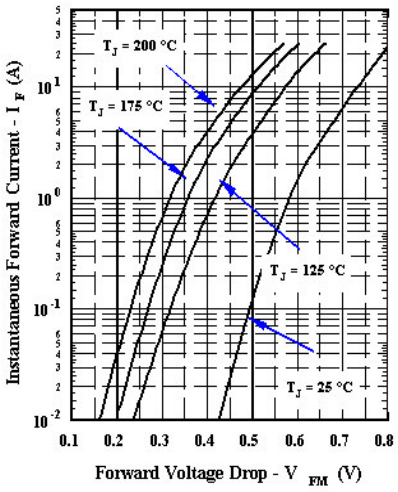


1 2 3

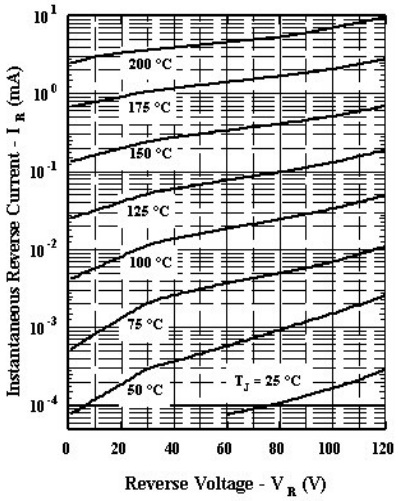
PINOUT TABLE

DEVICE TYPE	PIN 1	PIN 2	PIN 3
DUAL RECTIFIER COMMON CATHODE (P) SHD-4, SHD-4A	COMMON CATHODE	ANODE	ANODE

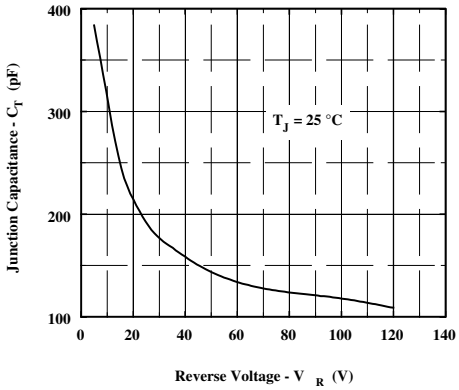
Typical Forward Characteristics



Typical Reverse Characteristics



Typical Junction Capacitance



TECHNICAL DATA

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