

TECHNICAL DATA DATA SHEET 1082, REV. PRELIMINARY

ULTRA LOW REVERSE LEAKAGE POWER SCHOTTKY RECTIFIER Very Low Voltage Drop

DESCRIPTION: A 100 VOLT, 60 AMP, POWER SCHOTTKY RECTIFIER IN A HERMETIC SHD5/5A/5B PACKAGE.

MAXIMUM RATINGS

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

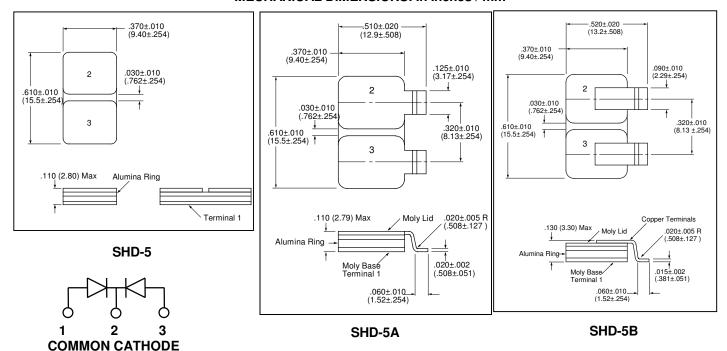
RATING	SYMBOL	MAX.	UNITS
PEAK INVERSE VOLTAGE	PIV	100	Volts
MAXIMUM DC OUTPUT CURRENT (With Cathode Maintained @ T _C =100 ^O C)	Io	60	Amps
MAXIMUM NONREPETITIVE FORWARD SURGE CURRENT (t=8.3ms, Sine Wave) (per leg)	I _{FSM}	570	Amps
MAXIMUM JUNCTION CAPACITANCE (V _r =5V)	C_T	1000	рF
MAXIMUM THERMAL RESISTANCE (Junction to Mounting Surface, Cathode)	$R_{ heta JC}$	0.25	°C/W
MAXIMUM OPERATING AND STORAGE TEMPERATURE RANGE	Тор	-65 to + 175	°C

ELECTRICAL CHARACTERISTICS

CHARACTERISTIC	SYMBOL	MAX.	UNITS
MAXIMUM FORWARD VOLTAGE DROP, Pulsed (I _f = 30 Amps) (per leg)			
T _J = 25 °C	V_{f}	0.84	Volts
T _J = 125 °C	- 1	0.68	
MAXIMUM REVERSE CURRENT (I _r @ 100V PIV) (per leg)			
T _J = 25 °C	l _r	0.2	mA
T _J = 125 °C		2.0	

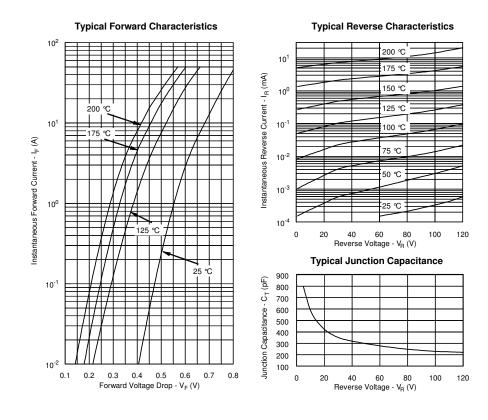
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MECHANICAL DIMENSIONS: In Inches / mm



PINOUT TABLE

DEVICE TYPE	PIN 1	PIN 2	PIN 3
DUAL RECTIFIER, COMMON CATHODE (P)	COMMON CATHODE	ANODE	ANODE





TECHNICAL DATA

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