

TECHNICAL DATA DATA SHEET 4610, REV.A

HERMETIC POWER SCHOTTKY RECTIFIER

(SINGLE / DUAL)

DESCRIPTION: A 45 VOLT, 7.5 AMP, POWER SCHOTTKY RECTIFIER IN A HERMETIC SMD-1 PACKAGE.

MAXIMUM RATINGS

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

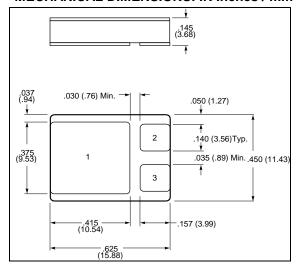
RATING	SYMBOL	MAX.	UNITS
PEAK INVERSE VOLTAGE	PIV	45	Volts
MAXIMUM DC OUTPUT CURRENT With Cathode Maintained (@ T_c =100 $^{\circ}$ C) (Single)	I _O	7.5	Amps
MAXIMUM DC OUTPUT CURRENT With Cathode Maintained (@ T_c =100 $^{\circ}$ C) (Common Cathode)	Io	15	Amps
MAXIMUM NONREPETITIVE FORWARD SURGE CURRENT (t = 8.3ms, Sine)		140	Amps
MAXIMUM JUNCTION CAPACITANCE (V _r =5V)	C _T	400	pF
MAXIMUM THERMAL RESISTANCE	$R_{ heta JC}$	1.21	°C/W
MAXIMUM OPERATING AND STORAGE TEMPERATURE RANGE	Top/Tstg	-65 to + 175	°C

ELECTRICAL CHARACTERISTICS

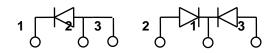
CHARACTERISTIC			
MAXIMUM FORWARD VOLTAGE DROP, Pulsed (I _f = 7.5 Amps)			
T _J = 25 °C	V_{f}	0.72	Volts
T _J = 125 °C		0.65	
MAXIMUM REVERSE CURRENT (I _r @ 45 V PIV)			
T _J = 25 °C	l _r	0.2	mA
T _J = 125 °C		7.5	

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MECHANICAL DIMENSIONS: IN Inches / mm



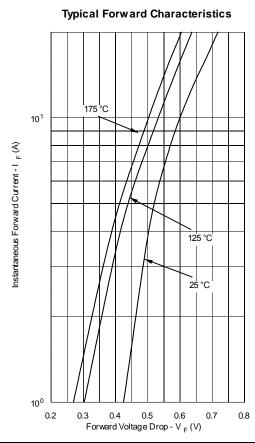
SINGLE COMMON CATHODE

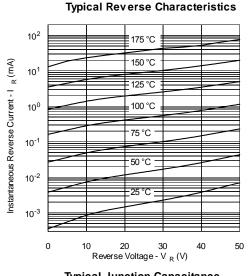


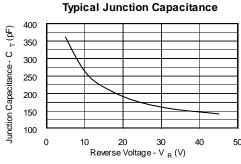
<u>SMD-1</u>

PINOUT TABLE

DEVICE TYPE	PIN 1	PIN 2	PIN 3
SINGLE RECTIFIER - SHD119122	CATHODE	ANODE	ANODE
COMMON CATHODE - SHD119122P	COMMON CATHODE	ANODE 1	ANODE 2









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