

TECHNICAL DATA DATA SHEET 4629, REV.A.1

HERMETIC POWER SCHOTTKY RECTIFIER

(SINGLE / DUAL)

DESCRIPTION: A 30 VOLT, 45 AMP, POWER SCHOTTKY RECTIFIER IN A HERMETIC SMD-1PACKAGE.

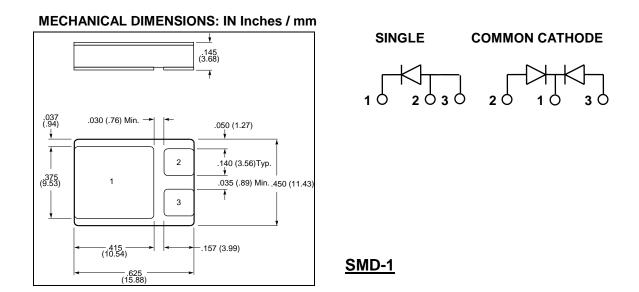
MAXIMUM RATINGS ARE @ T _C = 25 °C	ALL RATINGS ARE $@$ T _c = 25 °C UNLESS OTHERWISE SPECIFIED.				
RATING	SYMBOL	MAX.	UNITS		
PEAK INVERSE VOLTAGE	PIV	30	Volts		
MAXIMUM DC OUTPUT CURRENT With Cathode Maintained (@ $T_c=70$ °C (Single)	;) I _o	45	Amps		
MAXIMUM DC OUTPUT CURRENT With Cathode Maintained (@ $T_c=70$ °C (Common Cathode)	;) I _O	45	Amps		
MAXIMUM NONREPETITIVE FORWARD SURGE CURRENT (t = 8.3ms, Sine)	I _{FSM}	200	Amps		
MAXIMUM JUNCTION CAPACITANCE (V _r =5	V) C _T	3300	pF		
MAXIMUM THERMAL RESISTANCE	R _{θJC}	1.07	°C/W		
MAXIMUM OPERATING AND STORAGE TEMPERATURE RANGE		-65 to + 175	°C		

ELECTRICAL CHARACTERISTICS

CHARACTERISTIC						
MAXIMUM FORWARD VOLTAGE DROP, Pulsed $(I_f = 45 \text{ Amps})$						
T _J = 25 °C	V _f	0.63	Volts			
T _J = 100 °C		0.52				
MAXIMUM REVERSE CURRENT (Ir @ 30 V PIV)						
T _J = 25 °C	I _r	6	mA			
T _J = 125 °C		300				

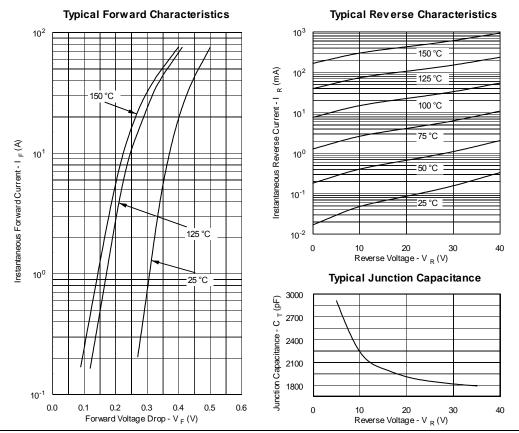
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PINOUT TABLE

DEVICE TYPE	PIN 1	PIN 2	PIN 3
SINGLE RECTIFIER	CATHODE	ANODE	ANODE
COMMON CATHODE – P	COMMON CATHODE	ANODE 1	ANODE 2



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