

TECHNICAL DATA DATA SHEET 575, REV. -

HERMETIC POWER SCHOTTKY RECTIFIER Very Low Forward Voltage Drop

DESCRIPTION: 45 VOLT, 30 AMP, POWER SCHOTTKY RECTIFIER IN A HERMETIC TO-254 PACKAGE.

MAXIMUM RATINGS

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

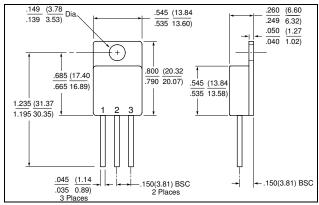
7.22 17 (11/43) 7/1/2 @ 10 = 23 0 0 (1.223) 0 (1.234) 1/1/2 B.				
RATING	SYMBOL	MAX.	UNITS	
PEAK INVERSE VOLTAGE	PIV	45	Volts	
MAXIMUM DC OUTPUT CURRENT (With Cathode Maintained @ T _C =100 ^O C)	Io	30	Amps	
MAXIMUM NONREPETITIVE FORWARD SURGE CURRENT	I _{FSM}	150	Amps	
(t = 8.3ms, Sine)				
MAXIMUM JUNCTION CAPACITANCE (V _r =5V)	Ст	4800	pF	
MAXIMUM THERMAL RESISTANCE	$R\theta_{JC}$	0.35	°C/W	
MAXIMUM OPERATING AND STORAGE TEMPERATURE RANGE	Top/Tstg	-65 to + 175	°C	

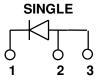
ELECTRICAL CHARACTERISTICS

CHARACTERISTIC			
MAXIMUM FORWARD VOLTAGE DROP, Pulsed (I _f = 35 Amps)			
T _J = 25 °C	V_{f}	0.65	Volts
T _J = 125 °C	- 1	0.54	
MAXIMUM REVERSE CURRENT (I _r @ 45V PIV)			
T _J = 25 °C	I_r	9.0	mA
T _J = 125 °C		420	

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MECHANICAL DIMENSIONS: In Inches / mm



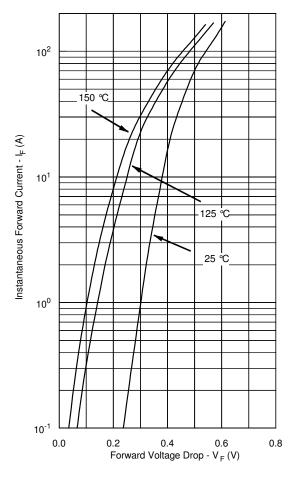


TO-254

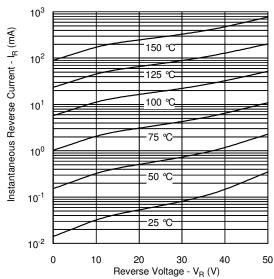
PINOUT TABLE

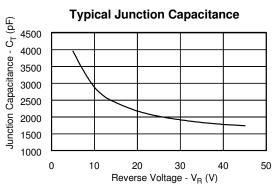
TYPE	PIN 1	PIN 2	PIN 3
SINGLE RECTIFIER	CATHODE	ANODE	ANODE

Typical Forward Characteristics



Typical Reverse Characteristics







TECHNICAL DATA

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