TECHNICAL DATA DATA SHEET 4116, REV. -

HERMETIC POWER SCHOTTKY RECTIFIER Very Low Forward Voltage Drop

DESCRIPTION: A 45-VOLT, 60 AMP, POWER SCHOTTKY RECTIFIER IN A HERMETIC CERAMIC LCC-3P PACKAGE.

MAXIMUM RATINGS

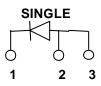
ALL RATINGS ARE @ $T_C = 25$ °C UNLESS OTHERWISE SPECIFIED.

ALE IVALIDOR IN THE TOTAL OF EACH IED.			
RATING	SYMBOL	MAX.	UNITS
PEAK INVERSE VOLTAGE	PIV	45	Volts
MAXIMUM DC OUTPUT CURRENT (With Cathode Maintained @ T_C =100 $^{\rm O}$ C) 50% duty cycle square waveform	lo	60	Amps
MAXIMUM NONREPETITIVE FORWARD SURGE CURRENT (t = 8.3ms, Sine)	I _{FSM}	400	Amps
MAXIMUM JUNCTION CAPACITANCE (V _r =5V)	C _T	2400	pF
MAXIMUM THERMAL RESISTANCE	$R_{ heta JC}$	1.0	°C/W
MAXIMUM OPERATING AND STORAGE TEMPERATURE RANGE	Top/Tstg	-65 to + 175	°C

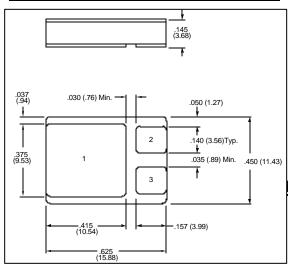
ELECTRICAL CHARACTERISTICS

CHARACTERISTIC	SYMBOL	MAX.	UNITS
MAXIMUM FORWARD VOLTAGE DROP, Pulsed (I _f = 60 An	nps)		
T _J = 25 °C	V_{f}	0.70	Volts
T _J = 125 °(· ·	0.63	
MAXIMUM REVERSE CURRENT (Ir @ 45V PIV)			
T _J = 25 °C	l _r	1.2	mA
T _J = 125 °		45	

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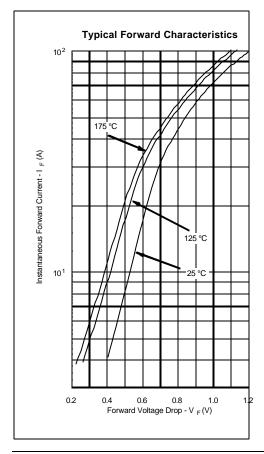
MECHANICAL DIMENSIONS: In Inches / mm

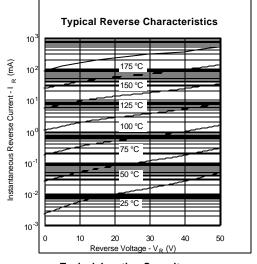


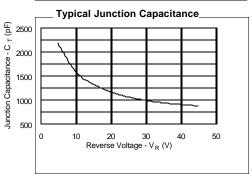
LCC-3P

PINOUT TABLE

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









TECHNICAL DATA

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