TECHNICAL DATA DATA SHEET 697, REV. -

HERMETIC POWER SCHOTTKY RECTIFIER 200°C Maximum Operation Temperature

(AVAILABLE SCREENED TO JAN S LEVEL (SS-100); ADD SUFFIX "SS" TO PART NUMBER)

DESCRIPTION: A 200 VOLT, 120 AMP, POWER SCHOTTKY RECTIFIER IN A HERMETIC SHD-3/3A PACKAGE.

MAXIMUM RATINGS

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

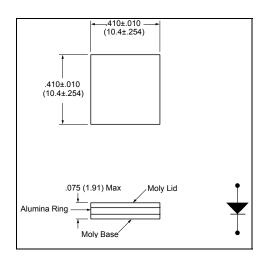
RATING	SYMBOL	MAX.	UNITS
PEAK INVERSE VOLTAGE	PIV	200	Volts
MAXIMUM DC OUTPUT CURRENT (With Cathode Maintained @ T _C =100 ^O C)	Io	120	Amps
MAXIMUM NONREPETITIVE FORWARD SURGE CURRENT (t=10ms, Sine)	I _{FSM}	1650	Amps
MAXIMUM JUNCTION CAPACITANCE (V _r =5V)	C _T	1800	pF
MAXIMUM THERMAL RESISTANCE (Junction to Mounting Surface, Cathode)	$R_{ heta JC}$	0.20	°C/W
MAXIMUM OPERATING AND STORAGE TEMPERATURE RANGE	Top/Tstg	-65 to + 200	°C

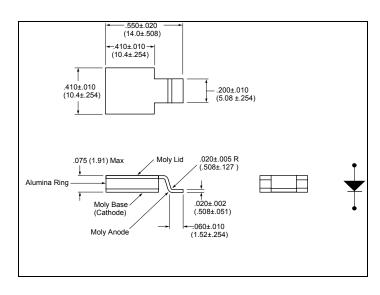
ELECTRICAL CHARACTERISTICS

CHARACTERISTIC			
MAXIMUM FORWARD VOLTAGE DROP, Pulsed (I _f = 120 Amps)			
T _J = 25 °C	V_{f}	0.95	Volts
T _J = 125 °C		0.79	
MAXIMUM REVERSE CURRENT (I _r @ 200 V PIV)			
T _J = 25 °C	I _r	2.1	mA
T _J = 125 °C		48	

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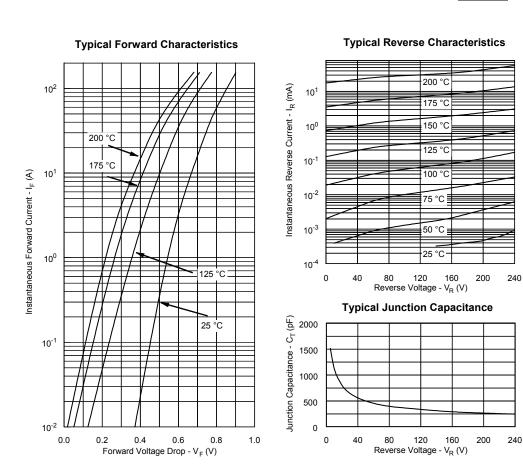
MECHANICAL DIMENSIONS: In Inches / mm





SHD-3

SHD-3A



SENSITRON

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