TECHNICAL DATA DATA SHEET 394, REV. A

ULTRA LOW REVERSE LEAKAGE POWER SCHOTTKY RECTIFIER Very Low Voltage Drop

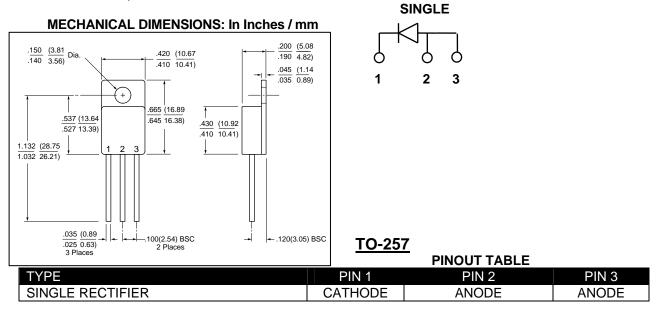
DESCRIPTION: 200 VOLT, 3.0 AMP, POWER SCHOTTKY RECTIFIER IN A HERMETIC TO-257 PACKAGE.

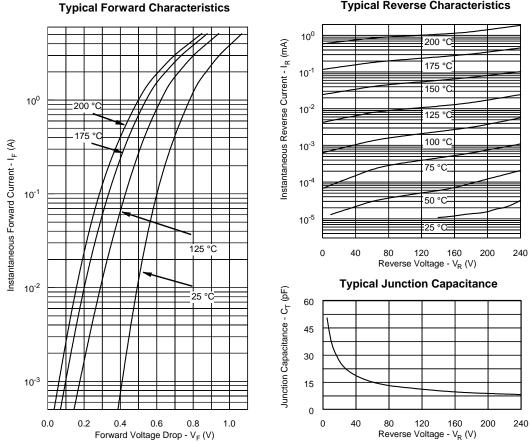
MAXIMUM RATINGS ARE @ T _c =	ALL RATINGS ARE @ T _c = 25 °C UNLESS OTHERWISE SPECIFIED.				
RATING	_	SYMBOL	MAX.	UNITS	
PEAK INVERSE VOLTAGE		PIV	200	Volts	
MAXIMUM DC OUTPUT CURRENT (With Cathode Maintained @ $\mathrm{T_{C}}\text{=}\text{-}$	100 ^o C)	Ι _Ο	3.0	Amps	
MAXIMUM NONREPETITIVE FORWARD SURGE CURRENT		I _{FSM}	55	Amps	
(t = 8.3ms, Sine) (per leg)					
MAXIMUM JUNCTION CAPACITANCE (V _r =5V) (per leg)		C _T	60	pF	
MAXIMUM THERMAL RESISTANCE (Junction to Mounting Surface)		$R_{ ext{ ext{ ext{ ext{ ext{ ext{ ext{ ext$	9.2	°C/W	
(per leg)					
MAXIMUM OPERATING/JUNCTION TEMPERATURE RANGE		Тор	-65 to + 200	°C	
MAXIMUM STORAGE TEMPERATURE RANGE		Tstg	-65 to + 175	°C	

ELECTRICAL CHARACTERISTICS

CHARACTERISTIC			
MAXIMUM FORWARD VOLTAGE DROP, Pulsed $(I_f = 3.0 \text{ Amps})$ (per leg)			
T _J = 25 °C	V _f	1.02	Volts
T _J = 125 °C	- 1	0.86	
MAXIMUM REVERSE CURRENT (I _r @ 200V PIV) (per leg)			
T _J = 25 °C	l _r	0.025	mA
T _J = 125 °C		0.20	
REVERSE RECOVERY TIME	t _{rr}	9.0	ns

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Typical Reverse Characteristics

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