TECHNICAL DATA DATA SHEET 6123, REV. -

HERMETIC POWER SCHOTTKY RECTIFIER 175°C Maximum Operation Temperature

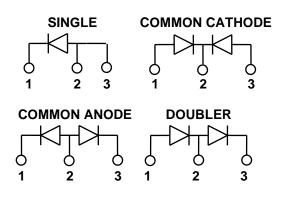
DESCRIPTION: A 250-VOLT, 7.5/15 AMP, POWER SCHOTTKY RECTIFIER IN A HERMETIC TO-257 PACKAGE.

MAXIMUM RATINGS ALL RATINGS ARE @ T_c = 25 °C UNLESS OTHERWISE SPECIFIED. RATING SYMBOL MAX. UNITS PEAK INVERSE VOLTAGE PIV 250 Volts MAXIMUM DC OUTPUT CURRENT (@ T_c=100 °C) (Single, Doubler) ю 7.5 Amps MAXIMUM DC OUTPUT CURRENT (@ T_C=100 °C) 15 Amps lo (Common Cathode, Common Anode) MAXIMUM NONREPETITIVE FORWARD SURGE CURRENT (t=8.3ms, Sine) 75 Amps **FSM** per leg MAXIMUM JUNCTION CAPACITANCE $(V_r = 10V)$ Ст 100 pF MAXIMUM THERMAL RESISTANCE (per leg) 5.37 °C/W Rejc MAXIMUM OPERATING TEMPERATURE RANGE Top/Tstg -65 to °C + 175 MAXIMUM STORAGE TEMPERATURE RANGE Top/Tstg -65 to °C + 175

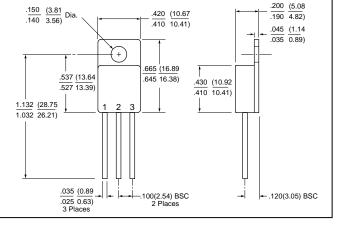
ELECTRICAL CHARACTERISTICS

CHARACTERISTIC	SYMBOL	MAX.	UNITS
MAXIMUM FORWARD VOLTAGE DROP, Pulsed ($I_f = 7.5$ Amps)			
TJ=25 ℃	Vf	0.98	Volts
T _J = 125 °C		0.83	
MAXIMUM REVERSE CURRENT (Ir @ 250 V PIV)			
TJ= 25 °C	Ir	0.2	mA
T _J = 125 °C		1.0	

SENSITRON TECHNICAL DATA DATASHEET 6123, REV. -



Mechanical Dimensions: In inches / mm

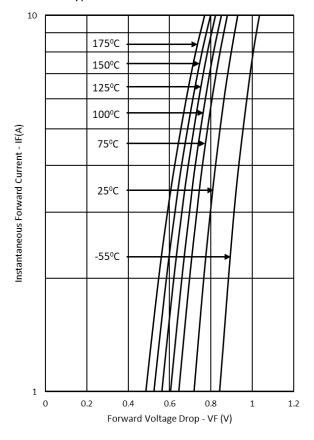


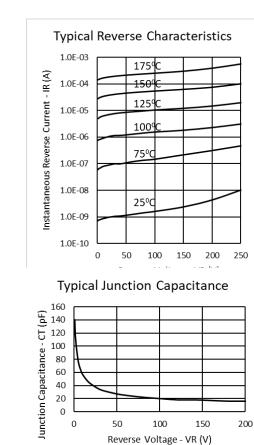
<u>TO-257</u>

PINOUT TABLE

ТҮРЕ	PIN 1	PIN 2	PIN 3
SINGLE RECTIFIER	CATHODE	ANODE	ANODE
DUAL RECTIFIER, COMMON CATHODE (P)	ANODE 1	COMMON CATHODE	ANODE 2
DUAL RECTIFIER, COMMON ANODE (N)	CATHODE 1	COMMON ANODE	CATHODE 2
DUAL RECTIFIER, DOUBLER (D)	ANODE	CATHODE/ ANODE	CATHODE
, , , , ,			

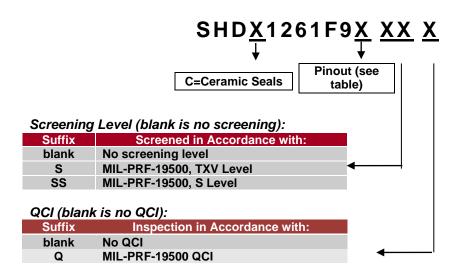
Curves shown are for bare die only.





Typical Forward Characteristics

PART ORDERING INFORMATION:



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