SHD124411 SHD124411P SHD124411N SHD124411D

TECHNICAL DATA DATA SHEET 745, REV. A

HERMETIC POWER SCHOTTKY RECTIFIER

DESCRIPTION: 30 VOLT, 45/30 AMP, SCHOTTKY RECTIFIER IN A HERMETIC TO-258 PACKAGE.

MAXIMUM RATINGS

ALL RATINGS ARE AT T_A = 25 C UNLESS OTHERWISE SPECIFIED

RATING	SYMBOL	MAX.	UNITS
PEAK INVERSE VOLTAGE (PER LEG)	PIV	30	Volts
MAXIMUM DC OUTPUT CURRENT @ T_C =100 $^{\circ}$ C (COMMON CATHODE & COMMON ANODE)	Ιο	45	Amps
MAXIMUM DC OUTPUT CURRENT @ T _C =100 °C (DOUBLER & SINGLE)	Ιο	30	Amps
PEAK SINGLE CYCLE SURGE CURRENT t _p = 8.3 msec. (PER LEG)	I _{FSM}	200	Amps
MAXIMUM JUNCTION CAPACITANCE (PER LEG)	C_{T}	2200	pF
MAXIMUM THERMAL RESISTANCE (PER LEG)	$R_{ heta JC}$	1.5	°C/W
MAXIMUM OPERATING AND STORAGE TEMPERATURE	$T_{J, stg}$	-65 to + 150	°C

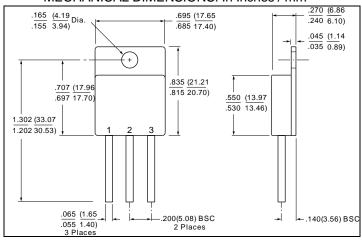
ELECTRICAL CHARACTERISTICS

CHARACTERISTIC				
MAXIMUM PEAK FORWARD VOLTAGE DROP (PER LEG)	$(I_f = 30 \text{ AMPS})$ $T_A = 25^{\circ}\text{C}$ $T_A = 125^{\circ}\text{C}$	V_{f}	0.66 0.56	Volts
MAXIMUM REVERSE CURRENT I _{rr} @ PIV (PER LEG)	$T_A = 25$ °C $T_A = 125$ °C	Irr	4.0 200	mA

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MECHANICAL DIMENSIONS: In Inches / mm

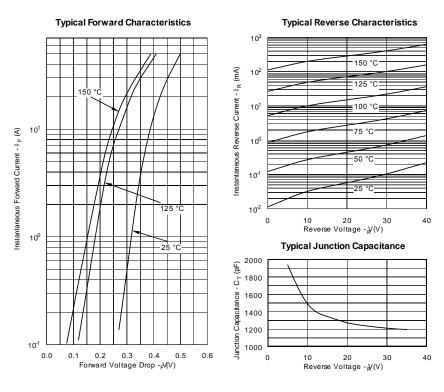


TO-258

PINOUT TABLE

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

Note: V_f curves shown are for die only.



SENSITRON

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