

TECHNICAL DATA
DATA SHEET 828, REV. B.1

HERMETIC POWER SCHOTTKY RECTIFIER

Features:

- Very Low Forward Voltage Drop
- Low Power Loss, High Efficiency
- For ceramic seals use part number prefix SHDC

MAXIMUM RATINGS

ALL RATINGS ARE AT $T_A = 25\text{ C}$ UNLESS OTHERWISE SPECIFIED

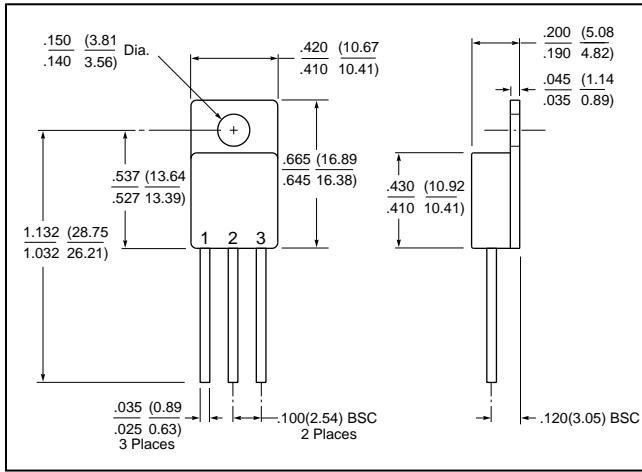
RATING	SYMBOL	MAX.	UNITS
PEAK INVERSE VOLTAGE	PIV	60	Volts
MAXIMUM DC OUTPUT CURRENT @ $T_C=100\text{ }^\circ\text{C}$	I_O	16	Amps
PEAK SINGLE CYCLE SURGE CURRENT $t_p = 8.3\text{ msec}$	I_{FSM}	75	Amps
MAXIMUM JUNCTION CAPACITANCE	C_T	1600	pF
MAXIMUM THERMAL RESISTANCE	$R_{\theta JC}$	1.5	$^\circ\text{C/W}$
MAXIMUM OPERATING AND STORAGE TEMPERATURE	$T_{J, stg}$	-65 to + 150	$^\circ\text{C}$

ELECTRICAL CHARACTERISTICS

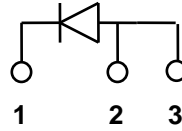
CHARACTERISTIC	SYMBOL	MAX.	UNITS
MAXIMUM PEAK FORWARD VOLTAGE DROP (PER LEG) ($I_f = 16\text{ AMPS}$) $T_A = 25^\circ\text{C}$ $T_A = 125^\circ\text{C}$	V_f	0.66 0.56	Volts
MAXIMUM REVERSE CURRENT I_{rr} @ PIV (PER LEG) $T_A = 25^\circ\text{C}$ $T_A = 125^\circ\text{C}$	I_{rr}	40 280	mA

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Mechanical Dimensions: In Inches / mm



SINGLE

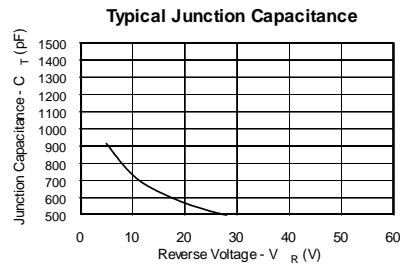
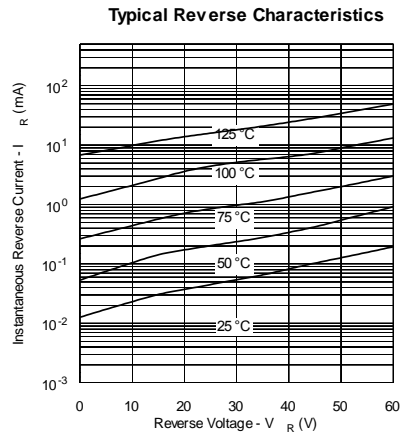
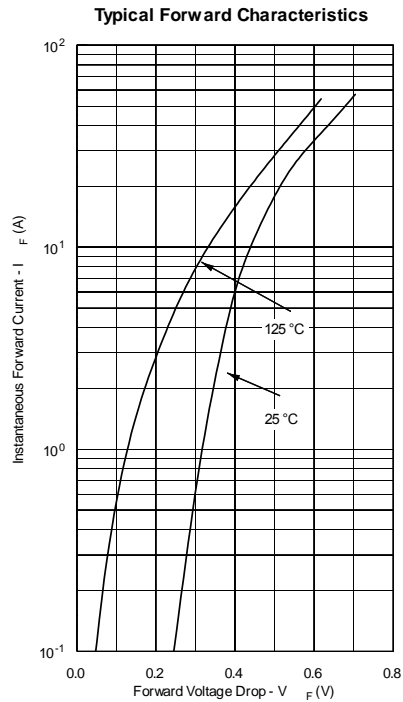


TO-257

PINOUT TABLE

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

V_f curves are for bare chip SD175SA60 only, un-packaged.



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