

TECHNICAL DATA
DATA SHEET 5055, REV. A

HERMETIC POWER SCHOTTKY RECTIFIER
200°C Maximum Operation Temperature

DESCRIPTION: A 150 VOLT, 60 AMP, SCHOTTKY RECTIFIER IN A HERMETIC LCC-3P PACKAGE.

MAXIMUM RATINGS

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

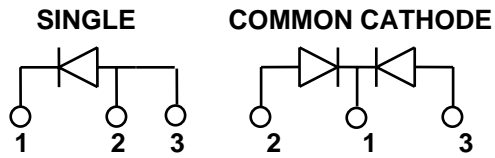
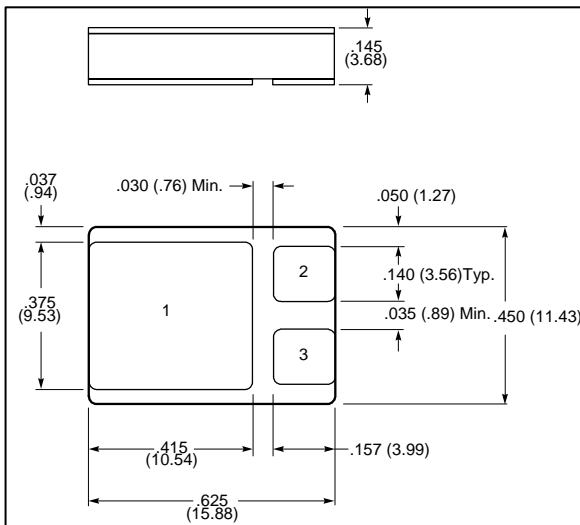
RATING	SYMBOL	MAX.	UNITS
PEAK INVERSE VOLTAGE (PER LEG)	PIV	150	Volts
MAXIMUM DC OUTPUT CURRENT @ $T_C=100^\circ\text{C}$ (SINGLE)	I_O	45	Amps
PEAK SINGLE CYCLE SURGE CURRENT $t_p = 8.3$ msec (PER LEG)	I_{FSM}	300	Amps
MAXIMUM JUNCTION CAPACITANCE ($V_r=5\text{V}$) (PER LEG)	C_T	1500	pF
MAXIMUM THERMAL RESISTANCE (PER LEG)	$R_{\theta JC}$	0.6	$^\circ\text{C/W}$
MAXIMUM OPERATING AND STORAGE TEMPERATURE	$T_{J, stg}$	-65 to +175	$^\circ\text{C}$

ELECTRICAL CHARACTERISTICS

CHARACTERISTIC	SYMBOL	MAX.	UNITS
MAXIMUM PEAK FORWARD VOLTAGE DROP (PER LEG) ($I_f = 60$ AMPS) $T_A = 25^\circ\text{C}$ $T_A = 125^\circ\text{C}$	V_f	1.05 0.87	Volts
MAXIMUM REVERSE CURRENT I_r @ 150V (PER LEG) $T_A = 25^\circ\text{C}$ $T_A = 125^\circ\text{C}$	I_{rr}	1.5 24	mA
MAXIMUM REVERSE RECOVERY TIME (PER LEG) $I_F = 0.5\text{A}$, $I_{RR} = 1\text{A}$, $I_R = 0.25\text{A}$, $T_A = 25^\circ\text{C}$	t_{rr}	40	nsec

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MECHANICAL DIMENSIONS: IN Inches / mm

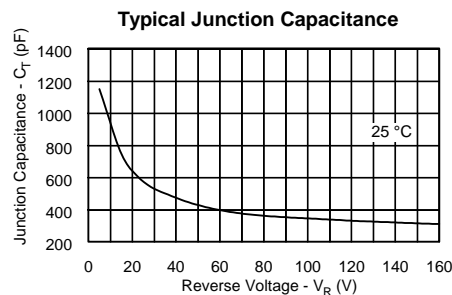
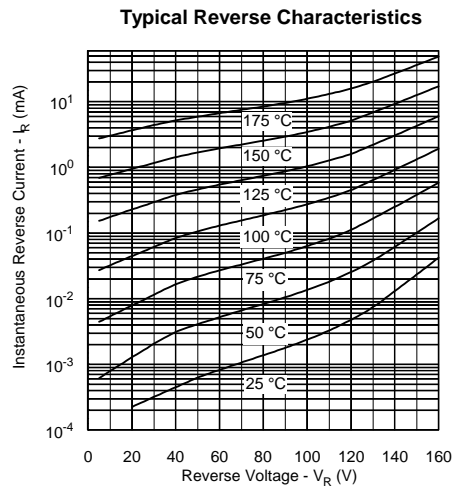
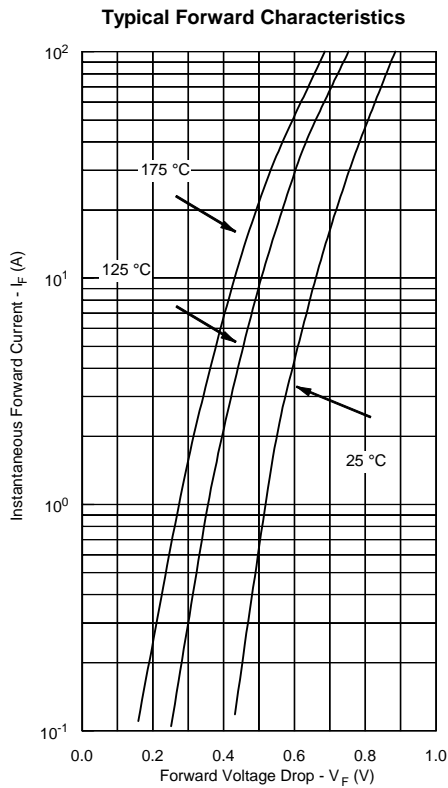


LCC-3P

PINOUT TABLE

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

Note: Vf curves apply to unpackaged die



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