

TECHNICAL DATA  
DATASHEET 4740, REV. D**HERMETIC POWER SCHOTTKY RECTIFIER**  
**175°C Maximum Operation Temperature****DESCRIPTION:** A 60-VOLT, 35 AMP, POWER SCHOTTKY RECTIFIER IN A HERMETIC TO-254 PACKAGE.**MAXIMUM RATINGS**ALL RATINGS ARE @  $T_c = 25^\circ\text{C}$  UNLESS OTHERWISE SPECIFIED.

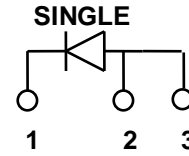
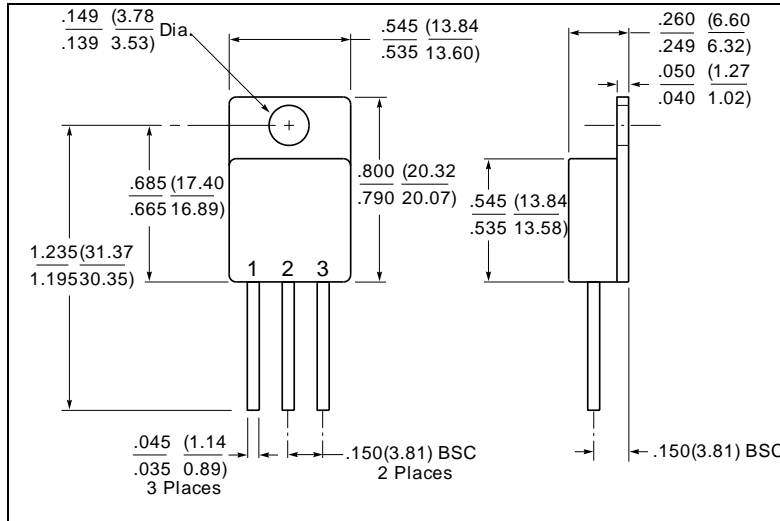
RATING	SYMBOL	MAX.	UNITS
PEAK INVERSE VOLTAGE	PIV	60	Volts
MAXIMUM DC OUTPUT CURRENT (@ $T_c = 100^\circ\text{C}$ ) (Single)	$I_o$	35	Amps
MAXIMUM NONREPETITIVE FORWARD SURGE CURRENT ( $t = 8.3\text{ms}$ , Sine)	$I_{FSM}$	1400	Amps
MAXIMUM JUNCTION CAPACITANCE ( $V_r = 5\text{V}$ )	$C_T$	5000	pF
MAXIMUM THERMAL RESISTANCE (Per leg)	$R_{\theta JC}$	0.62	$^\circ\text{C/W}$
MAXIMUM OPERATING TEMPERATURE RANGE	$T_{op}/T_{stg}$	-65 to +175	$^\circ\text{C}$
MAXIMUM STORAGE TEMPERATURE RANGE	$T_{op}/T_{stg}$	-65 to +175	$^\circ\text{C}$

**ELECTRICAL CHARACTERISTICS**

CHARACTERISTIC	SYMBOL	MAX.	UNITS
MAXIMUM FORWARD VOLTAGE DROP, Pulsed ( $I_f = 35\text{Amps}$ ) $T_J = 25^\circ\text{C}$ $T_J = 125^\circ\text{C}$	$V_f$	0.87 0.79	Volts
MAXIMUM REVERSE CURRENT ( $I_r @ 60\text{V PIV}$ ) $T_J = 25^\circ\text{C}$ $T_J = 125^\circ\text{C}$	$I_r$	3 180	mA

**SENSITRON**  
**TECHNICAL DATA**  
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**Mechanical Dimensions: In inches / mm**



**TO-254**

**PINOUT TABLE**

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

**PART ORDERING INFORMATION:**

**SHD125623XXX**

**Part Number**

**Screening Level (blank is no screening):**

Suffix	Screened in Accordance with:
blank	No screening level
S	MIL-PRF-19500, TXV/V Level
SS	MIL-PRF-19500, S Level

**QCI (blank is no QCI):**

Suffix	Inspection in Accordance with:
blank	No QCI
Q	MIL-PRF-19500 QCI

**SENSITRON**  
**TECHNICAL DATA**  
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