

TECHNICAL DATA
DATA SHEET 5660, REV. -

HERMETIC ULTRAFAST RECTIFIER
SINGLE / DUAL - COM. CATHODE / COM. ANODE / DOUBLER

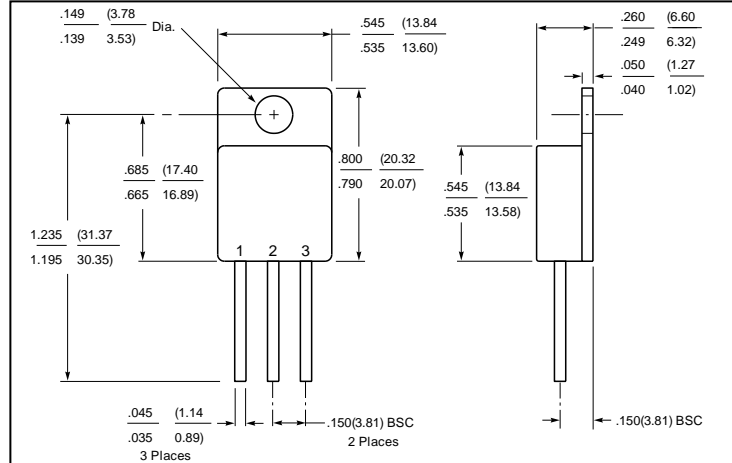
DESCRIPTION: 200 VOLT, 40 AMP, 55 NANOSECOND, HERMETIC RECTIFIER IN A TO-254 PACKAGE.

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

RATING	SYMBOL	MAX.	UNITS
PEAK INVERSE VOLTAGE (PER LEG)	PIV	200	Volts
MAXIMUM FORWARD VOLTAGE DROP @ $T_A = 25^\circ\text{C}$ (PER LEG) SINGLE / COMMON CATHODE (P) ($I_f = 40$ Amps)	V_f	1.20	Volts
MAXIMUM FORWARD VOLTAGE DROP @ $T_A = 125^\circ\text{C}$ (PER LEG) SINGLE / COMMON CATHODE (P) ($I_f = 40$ Amps)	V_f	1.10	Volts
MAXIMUM DC OUTPUT CURRENT ($T_C = 55^\circ\text{C}$)	I_o	40	Amps
PEAK SINGLE CYCLE SURGE CURRENT $t_p = 8.3$ msec	I_{FSM}	200	Amps
MAXIMUM REVERSE RECOVERY TIME ($I_f = 0.5\text{A}$, $I_r = 1.0\text{A}$, $I_{rr} = 0.25\text{A}$)	t_{rr}	55	nsec
MAXIMUM REVERSE CURRENT I_{rr} @ PIV (PER LEG) @ $T_A = 25^\circ\text{C}$	I_{rr}	100	μA
MAXIMUM REVERSE CURRENT I_{rr} @ PIV (PER LEG) @ $T_A = 125^\circ\text{C}$	I_{rr}	2.0	mA
MAXIMUM THERMAL RESISTANCE (PER LEG)	$R\theta_{JC}$	0.60	$^\circ\text{C/W}$
MAXIMUM OPERATING AND STORAGE TEMPERATURE RANGE	$T_{op/stg}$	-65C to+175C	$^\circ\text{C}$

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MECHANICAL DIMENSIONS: In Inches / mm



TO-254

PINOUT TABLE

DEVICE TYPE	PIN 1	PIN 2	PIN 3
SINGLE RECTIFIER	CATHODE	ANODE	ANODE
DUAL RECTIFIER/COMMON CATHODE (P)	ANODE 1	COMMON CATHODE	ANODE 2

PART ORDERING INFORMATION:

SHD325903 XX X

Part Number

Screening Level (blank is no screening):

Suffix	Screened in Accordance with:
blank	No screening level
SX	MIL-PRF-19500, TX Level
SV	MIL-PRF-19500, TXV 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

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