



Solid State Devices, Inc.

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Designer's Data Sheet

Part Number/Ordering Information ^{1/}

SSR4045 CT M TX

Screening ^{2/} = Not Screened
 TX = TX Level
 TXV = TXV Level
 S = S Level

Lead Bend:
 = Straight
 UB = Up Bend
 DB = Down Bend

Package: M = TO-254
 Z = TO-254Z

Configuration: CT = Common Cathode
 CA = Common Anode
 D = Doubler

SSR4045CTM
SSR4045CTZ

40 AMP, 45 VOLTS
POSITIVE CENTERTAP
SCHOTTKY RECTIFIER

FEATURES:

- Low Forward Voltage Drop
- Low Reverse Leakage
- Guard Ring for Overvoltage Protection
- Isolated Hermetically Sealed Power Package
- Available in Glass or Ceramic Seal Packages
- Eutectic Die Attach
- 175°C Operating Temperature
- TX, TXV, or Space Level Screening Available

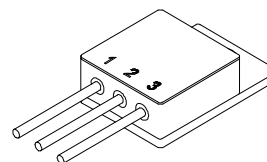
MAXIMUM RATINGS

RATING	SYMBOL	VALUE	UNIT
Peak Repetitive Reverse and DC Blocking Voltage	V_{RRM} V_{RWM} V_R	45	Volts
Average Rectified Forward Current (Resistive Load, 60Hz, Sine Wave, TC=55°C) ^{3/}	I_O	40	Amps
Peak Surge Current (8.3 ms Pulse, Half Sine Wave, TA=25°C) ^{3/}	I_{FSM}	600	Amps
Operating and Storage Temperature	T_{OP} & T_{STG}	-65 to +175	°C
Maximum Thermal Resistance Junction to Case ^{4/} Junction to Case ^{5/}	$R_{\theta JC}$	1.0 2.0	°C/W

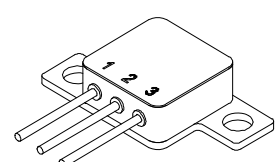
NOTES:

- ^{1/} For ordering information, price, and availability, contact factory.
^{2/} Screening per MIL-PRF-19500
^{3/} Both legs tied together. For doubler configuration, value shall be half of the value shown, tested per leg
^{4/} Both legs tied together. For doubler configuration, both dies tested in series
^{5/} Per leg

TO-254



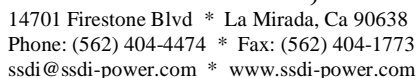
TO-254Z



NOTE: All specifications are subject to change without notification.
 SCD's for these devices should be reviewed by SSDI prior to release.

DATA SHEET #: RS0031E

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