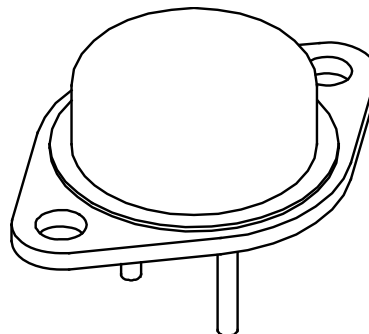


SSR4045CT/3
Designer's Data Sheet
FEATURES:

- PIV: 45 Volts
- Low Forward Voltage Drop
- Low Reverse Leakage
- Hermetically Sealed Package
- Guard Ring for Overvoltage Protection
- Gold Eutectic Die Attach
- 175°C Operating Junction Temperature
- Also Available in the following Configurations:
 - Common Anode- SSR4045CA/3
 - Doubler- SSR4045D/3
- TX, TXV, and Space Level Screening Available

40 AMPS
45 VOLTS
POSITIVE CENTERTAP
SCHOTTKY
RECTIFIER

TO-3


MAXIMUM RATINGS		Symbol	Value	Units
Peak Repetitive Reverse Voltage and DC Blocking Voltage	SSR4045CT/3	V_{RRM} V_{RWM} V_R	45	Volts
Average Rectified Forward Current ^{1/} (Resistive Load, 60 Hz, Sine Wave, $T_A=25^\circ\text{C}$)		I_O	40	Amps
Peak Surge Current ^{1/} (8.3 ms Pulse, Half Sine Wave Superimposed on I_O , allow junction to reach equilibrium between pulses, $T_A=25^\circ\text{C}$)		I_{FSM}	600	Amps
Operating and Storage Temperature		T_{OP} & T_{stg}	-65 to +175	°C
Maximum Thermal Resistance ^{1/} Junction to Case		$R_{\theta JC}$	0.9	°C/W

Notes:

^{1/} Both Legs Tied Together. (Doubler Per Leg: $I_O = 20\text{A}$, $I_{FSM} = 300\text{A}$, $R_{\theta JC} = 1.8^\circ\text{C/W}$)

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

DATA SHEET #: RS0025B
DOC

