TRR®

SR120~SR1200
Schottky Rectifier

Features

- Ideal for printed circuit board
- Low forward voltage
- Low leakage current
- Ultrafast reverse recovery time
- High forward surge capability
- High temperature soldering：
  260℃/10 seconds at terminals

DO-41

Mechanical Date

- **Case:**DO-41
- **Polarity:** Coulor band denotes cathode end
- **Mounting position:** Any
- **Terminals:** Axial leads, solderable per MIL-STD-202,method 208 guranteed

Major Ratings and Characteristics

$I_{F(AV)}$	**1.0A**
V_{RRM}	**20V to 40V**
I_{FSM}	**30A**
V_F	**0.55V~0.95V**
T_j **max.**	**125℃**

Maximum Ratings & Electrical Characteristics

Rating at 25℃ ambient temperature unless otherwise specified
Single phase ,half wave, 60Hz,resistive or inductive load
For capacitive load, derate current by 20%.

Items	Symbol	SR 120	SR 130	SR 140	SR 160	SR 180	SR 1100	SR 1150	SR 1200	UNIT
Maximum repetitive peak reverse voltage	V_{RRM}	20	30	40	60	80	100	150	200	V
Maximum average forward rectified current at T_A=50℃	$I_{F(AV)}$	1.0								A
Peak forward surge current, 8.3 ms single half sine-wave superimposed on rated load(JEDEC method)	I_{FSM}	30								A
Thermal resistance from junction to ambient	$R_{\theta JA}$	50								℃/W
Operating junction temperature range	T_J	–55 to +125								℃
Storage temperature range	T_{STG}	–55 to +125								℃

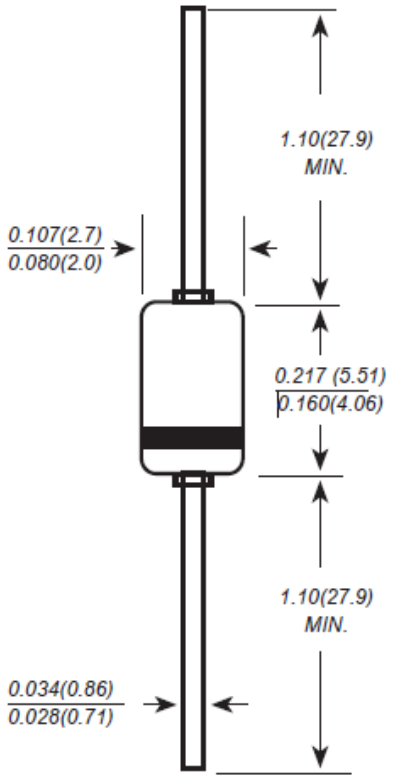
Electrical Characteristics

(T_A = 25 °C unless otherwise noted)

Items	Test conditions		Symbol	SR 120	SR 130	SR 140	SR 160	SR 180	SR 1100	SR 1150	SR 1200	UNIT
Instantaneous forward voltage	I_F=1.0 A		V_F	0.55			0.70	0.85			0.95	V
Reverse current	V_{RRM}	T_j=25℃	I_R	0.5						0.2		mA
		T_j=100℃		10				5		2		

Package Outline

DO-41



Dimensions in inches and (millimeters)