SR140 THRU SR1100

SCHOTTKY BARRIER RECTIFIER

VOLTAGE：40-100V **CURRENT：1.0A**

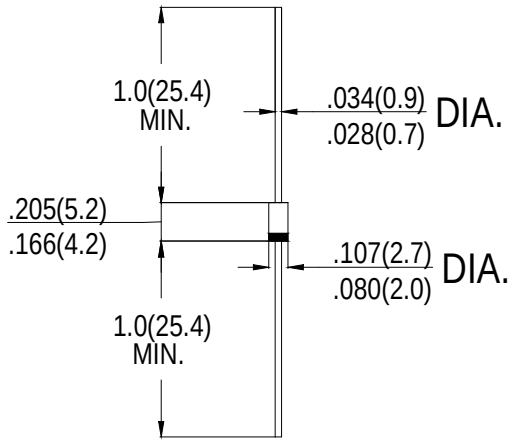
FEATURES

- Low switching noise
- Low forward voltage drop
- High current capability
- High switching capabitity
- High reliability
- High surge capability

MECHANICAL DATA

- ***Case*****:** Molded plastic
- ***Epoxy*****:** UL94V-0 rate flame retardant
- ***Lead*****:** MIL-STD- 202E, Method 208 guaranteed
- ***Polarity*****:**Color band denotes cathode end
- ***Mounting position*****:** Any
- ***Weight*****:** 0.33 grams

DO-41



Dimensions in inches and (millimeters)

MAXIMUM RATINGS AND ELECTRONICAL CHARACTERISTICS

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

	SYMBOL	SR140	SR150	SR160	SR180	SR1100	units
Maximum Recurrent Peak Reverse Voltage	V_{RRM}	40	50	60	80	100	V
Maximum RMS Voltage	V_{RMS}	28	35	42	49	56	V
Maximum DC Blocking Voltage	V_{DC}	40	50	60	80	100	V
Maximum Average Forward rectified Current .375”(9.5mm) lead length at T_L=75°C	I_o	1.0					A
Peak Forward Surge Current 8.3ms single half sine-wave superimposed on rate load (JEDEC method)	I_{FSM}	30					A
Maximum Instantaneous Forward Voltage at 1.0A DC	V_F	0.55	0.70		0.85		V
Maximum DC Reverse Current @T_A=25°C	I_R	1.0					mA
at Rated DC Blocking Voltage @T_A=100°C		10.0					
Typical Junction Capacitance (Note 1)	C_J	110					pF
Typical Thermal Resistance (Note 2)	$R_{\theta JA}$	50					°C/W

Notes: 1. Measured at 1MHz and applied reverse voltage of 4.0 volts
2. Thermal Resistance from junction to ambient at .375”(9.5mm) lead length