



SCHOTTKY BARRIER RECTIFIER

SR1520 ~ SR1580

Schottky Barrier Rectifier

Features

- Fast switching speed
- Low forward voltage
- Low power loss for high efficiency
- High surge capability
- High temperature soldering guaranteed: 250°C/10 seconds, 0.16(4.06mm) lead length
- RoHS and REACH Compliance



R-6



RoHS
COMPLIANT

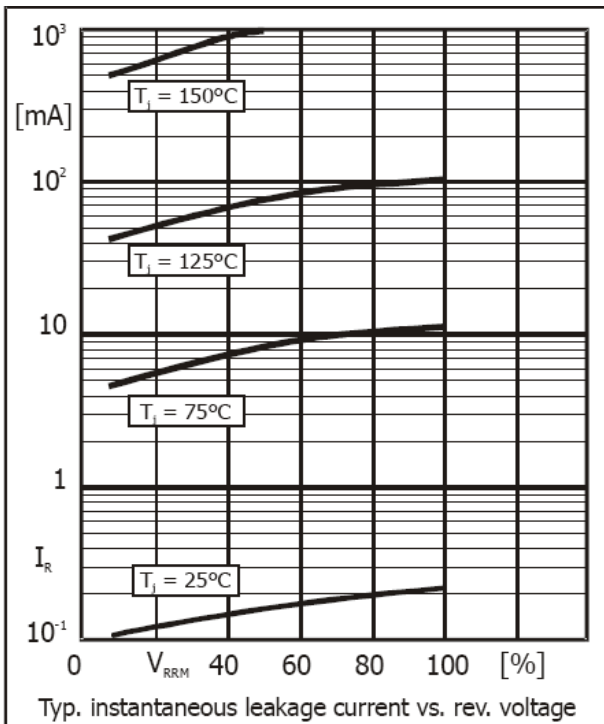
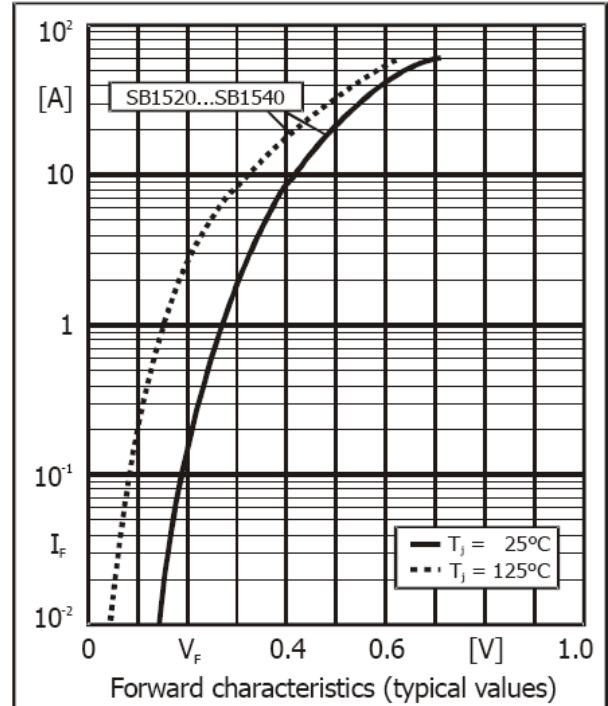
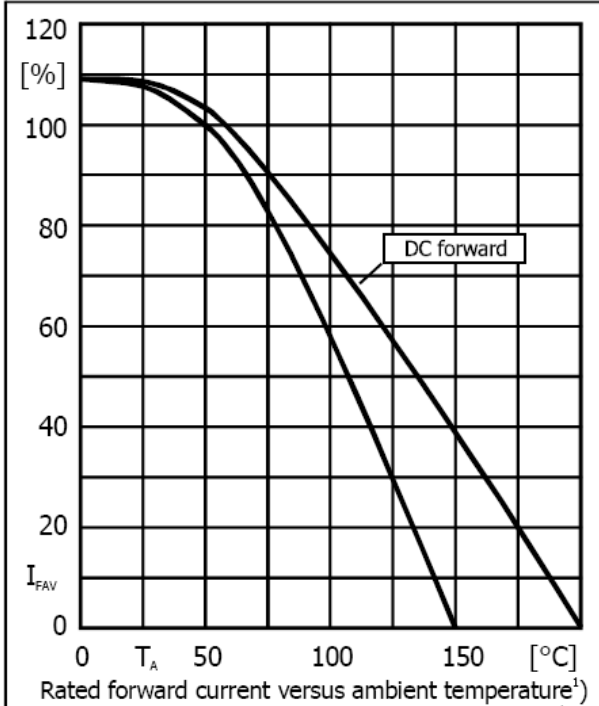
Mechanical Data

Case:	Transfer molded plastic
Polarity:	As marked
Epoxy:	UL94V-0 rate flame retardant
Lead:	Plated axial lead, solderable per MIL-STD-202E method 208C
Mounting Position:	Any
Weight:	2 gram

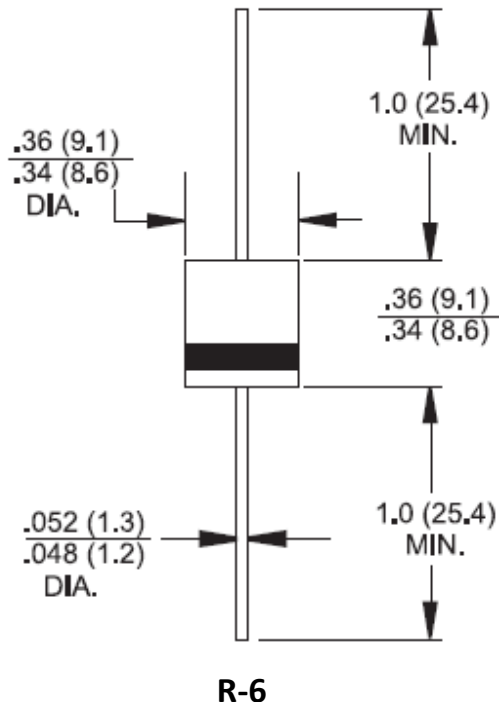
Maximum Ratings ($T_{Ambient}=25^{\circ}C$ unless noted otherwise)

Symbol	Description	SR1520	SR1530	SR1540	SR1560	SR1580	Unit	Conditions	
V_{RRM}	Max Recurrent Peak Reverse Voltage	20	30	40	60	80	V		
V_{RMS}	Max RMS Voltage	14	21	38	42	56	V		
V_{DC}	Max DC Blocking Voltage	20	30	40	60	80	V		
I_(AV)	Max Average Forward Rectified Current	15.0						A	
I_{FSM}	Peak Forward Surge Current	300						A	JEDEC method
V_F	Max Instantaneous Forward Voltage	0.5				0.7		V	
I_R	Max DC Reverse Current at Rated DC Blocking Voltage	100						μ A	$T_A=25^{\circ}C$
		5000							$T_A=100^{\circ}C$
R_{θ-JC}	Typical Thermal Resistance	7.5						°C/W	
T_J, T_{STG}	Operating and Storage Temperature Range	-55 to +150						°C	

Note: Pulse Test: 300μS pulse width 1% duty cycle

RATINGS AND CHARACTERISTIC CURVES


Dimensions in inches (mm)



Contact us:

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