Schottky Barrier Rectifiers multicomp



Features

- · Metal-semiconductor junction with guard ring
- Epitaxial construction
- Low forward voltage drop
- High current capability
- For use in low voltage, high frequency inverters, free wheeling and polarity protection applications

Specifications

Reverse Voltage Forward Current	: 20 Volts to 100 Volts : 1 Amperes
Mechanical Data	
Case	: JEDEC DO-41 moulded plastic
Polarity	: Colour band denotes cathode
Weight	: 0.012 ounces, 0.34 grams
Mounting Position	: Any

Max. Ratings and Electrical Characteristics

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

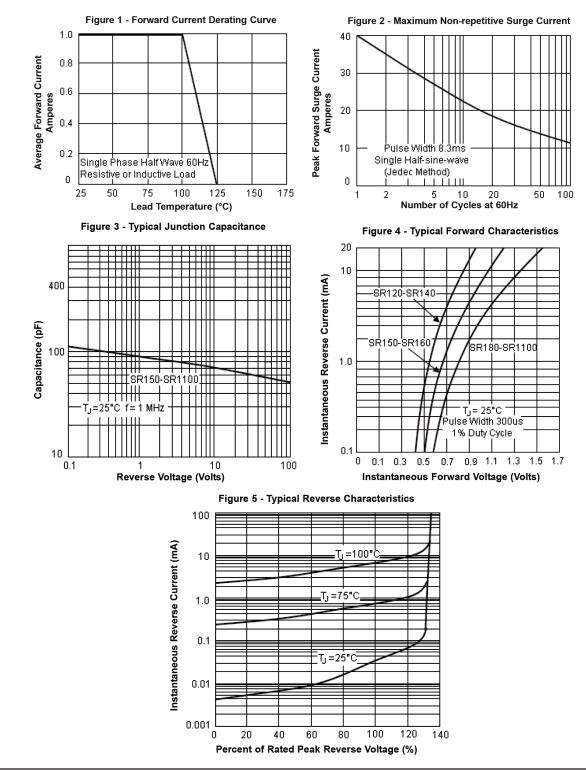
Characteristics	Symbol	SR150	SR160	SR1100	Unit	
Max. Recurrent Peak Reverse Voltage	Vrrm	50	60	100		
Max. RMS Voltage	Vrms	35	42	70		
Max. DC Blocking Voltage	V DC	50	60	100		
Max. Average Forward Rectified Current 0.375" (9.5mm) Lead Lengths @TL = 100°C	l(AV)	1		A		
Peak Forward Surge Current 8.3ms Single Half Sine-Wave Super Imposed on Rated Load (JEDEC Method)	IFSM	40		A		
Peak Forward Voltage at 1A DC	VF	0.7 0.85		0.85	V	
Max. DC Reverse Current @TJ = 25°C	IR	1			mA	
at Rated DC Blocking Voltage @T _J = 100°C	IR	10				
Typical Junction Capacitance (Note 1)	Сл	80		pF		
Typical Thermal Resistance (Note 2)	Rejl	15		°C/W		
Operating Temperature Range	TJ	-55 to +125		°C		
Storage Temperature Range	Тѕтс	-55 to +150			°C	

Notes:

- 1. Measured at 1MHz and applied reverse voltage of 4V DC
- 2. Thermal resistance junction to lead

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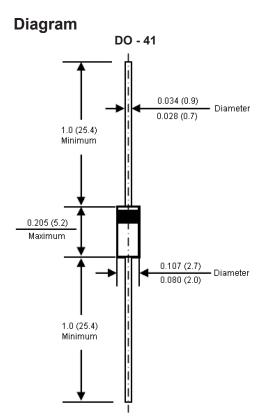


Rating and Characteristic Curves

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Dimensions : Inches (Millimetres)

Part Number Table

Description	Part Number		
Schottky Barrier Rectifier, 100V	SR1100		
Schottky Barrier Rectifier, 50V	SR150		
Schottky Barrier Rectifier, 60V	SR160		

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