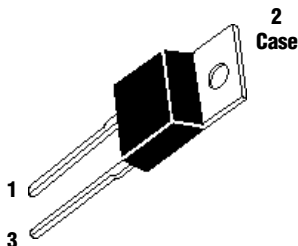


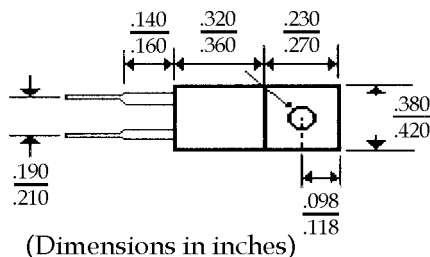
10 Amp High Voltage SCHOTTKY BARRIER RECTIFIERS

Description



JEDEC
T0-220AC

Mechanical Dimensions



Features

- HIGH CURRENT CAPABILITY WITH LOW V_F
- SUPERIOR METAL PROCESS

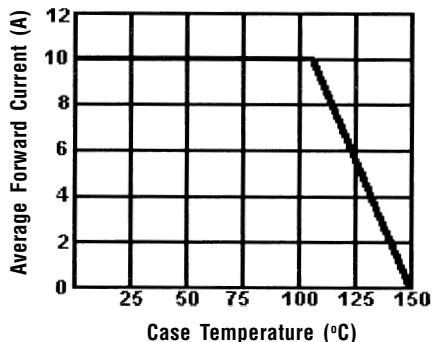
- HIGH SURGE VOLTAGE AND TRANSIENT PROTECTION
- MEETS UL SPECIFICATION 94V-0

SR1060~SR10100

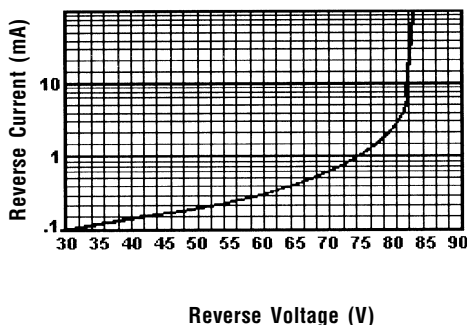
SR1060~SR10100 Series						Units
Maximum Ratings	SR1060	SR1070	SR1080	SR1090	SR10100	
Peak Repetitive Reverse Voltage... V_{RRM}	60	70	80	90	100	Volts
Working Peak Reverse Voltage... V_{RWM}	60	70	80	90	100	Volts
DC Blocking Voltage... V_{DC}	60	70	80	90	100	Volts
Average Forward Rectified Current... $I_{F(av)}$ @ $T_c = 104^{\circ}\text{C}$	10					Amps
Repetitive Peak Forward Surge Current... I_{FM} 20kHz Square Wave	20					Amps
Non-Repetitive Peak Forward Surge Current... I_{FSM} @ Rated Load Conditions, 8.3ms, 1/2 Sine Wave	150					Amps
Repetitive Peak Reverse Surge Current... I_{RSM}	0.5					Amps
Operating Temperature Range... T_j	-65 to 150					$^{\circ}\text{C}$
Storage Temperature Range... T_{STRG}	-65 to 175					$^{\circ}\text{C}$
Electrical Characteristics						
Maximum Forward Voltage... V_F @ $I_F = 10\text{ Amps}$ $T_c = 25^{\circ}\text{C}$ @ $I_F = 10\text{ Amps}$ $T_c = 125^{\circ}\text{C}$	.80 .70					Volts Volts
Maximum DC Reverse Current... I_R @ Rated DC Blocking Voltage $T_c = 25^{\circ}\text{C}$ 						

10 Amp High Voltage SCHOTTKY BARRIER RECTIFIERS

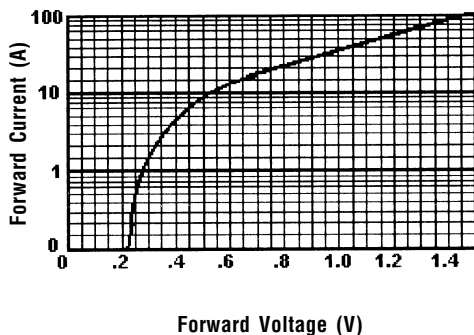
Forward Current Derating Curve



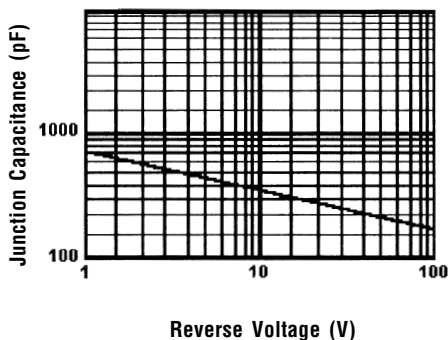
Typical Reverse Characteristics



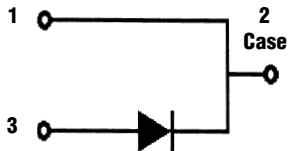
Typical Forward Characteristics



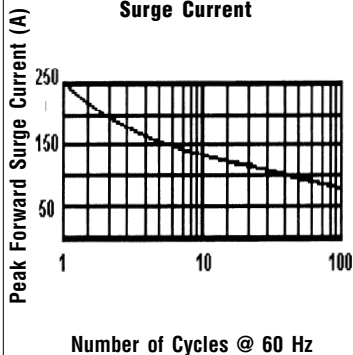
Typical Junction Capacitance



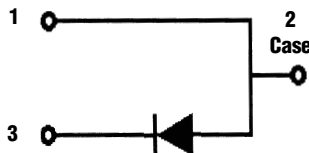
Case Cathode, No
Suffix Required



Non-Repetitive Peak Forward
Surge Current



Case Anode,
Use Suffix "R"



Ratings at
25 Deg. C ambient
temperature
unless otherwise
specified.

Single Phase Half
Wave, 60 Hz
Resistive or
Inductive Load.

For Capacitive
Load, Derate
Current by 20%.