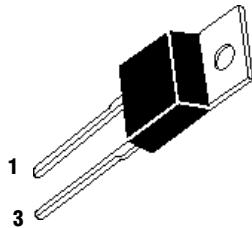


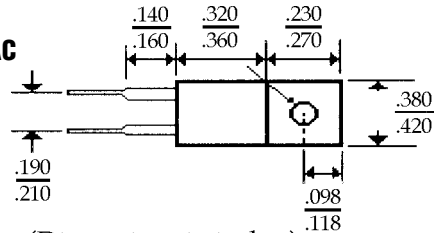
SR735~SR745

**Description**



2  
Case

JEDEC  
TO-220AC



(Dimensions in inches)

**Features**

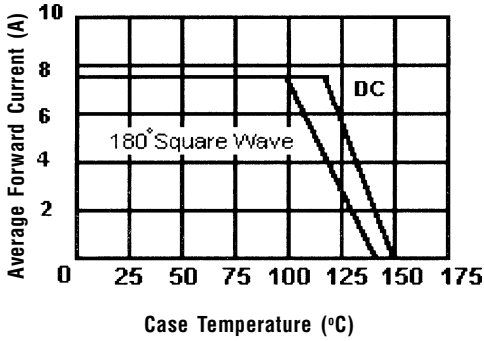
- HIGH CURRENT CAPABILITY WITH LOW  $V_F$
- SUPERIOR METAL PROCESS

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

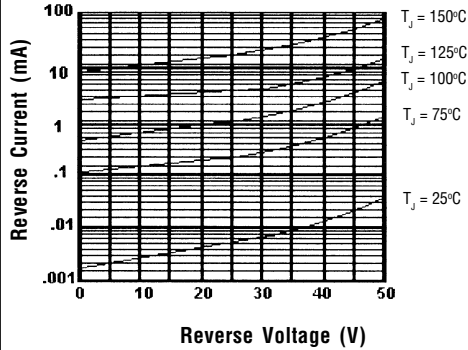
SR735~745 Series				Units
Maximum Ratings	SR735	SR740	SR745	
Peak Repetitive Reverse Voltage... $V_{RRM}$	35	40	45	Volts
Working Peak Reverse Voltage... $V_{RWM}$	35	40	45	Volts
DC Blocking Voltage... $V_{DC}$	35	40	45	Volts
RMS Reverse Voltage... $V_{R(rms)}$	24	28	31	Volts
Average Forward Rectified Current... $I_{F(av)}$ @ $T_C = 110^\circ C$	7.5			Amps
Repetitive Peak Forward Surge Current... $I_{FM}$	15			Amps
Non-Repetitive Peak Forward Surge Current... $I_{FSM}$ @ Rated Load Conditions, 1/2 Wave, Single Phase, 60Hz	150			Amps
Voltage Rate of Change at Rated $V_R$ ... $D_V/D_T$	1000			Volts/ $\mu s$
Operating Temperature Range... $T_J$	-65 to 150			$^\circ C$
Storage Temperature Range... $T_{STRG}$	-65 to 175			$^\circ C$
<b>Electrical Characteristics</b>				
Maximum Forward Voltage... $V_F$ @ $I_F = 15$ Amps, $25^\circ C$	.84			Volts
@ $I_F = 15$ Amps, $125^\circ C$	.72			Volts
@ $I_F = 7.5$ Amps, $125^\circ C$	.57			Volts
Maximum DC Reverse Current... $I_R$ @ Rated DC Blocking Voltage		2.0		mAmps
$T_L = 25^\circ C$		15		mAmps
$T_L = 125^\circ C$				

# 7.5 Amp SCHOTTKY BARRIER RECTIFIERS

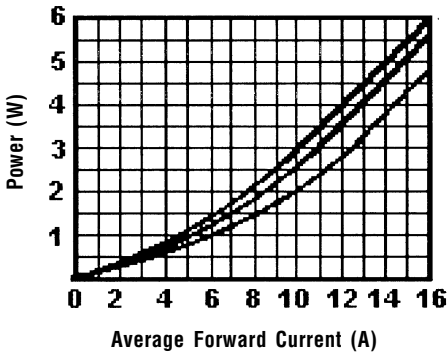
**Forward Current Derating Curve**



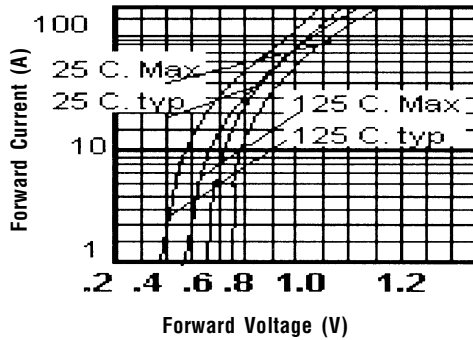
**Typical Reverse Characteristics**



**Forward Power Dissipation**



**Typical Forward Characteristics**



**Electrical Description**

**Case Cathode, No Suffix Required**



**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%.