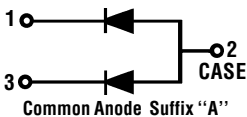
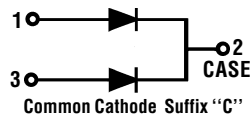
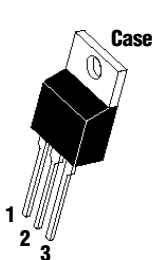




20 Amp High Voltage SCHOTTKY BARRIER RECTIFIERS

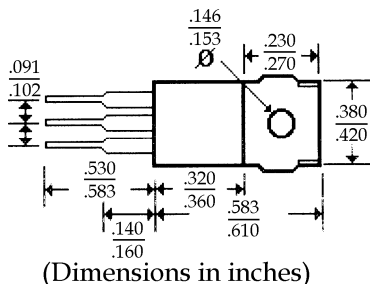
FBR20150

Description



Mechanical Dimensions

JEDEC
TO-220AB



Features

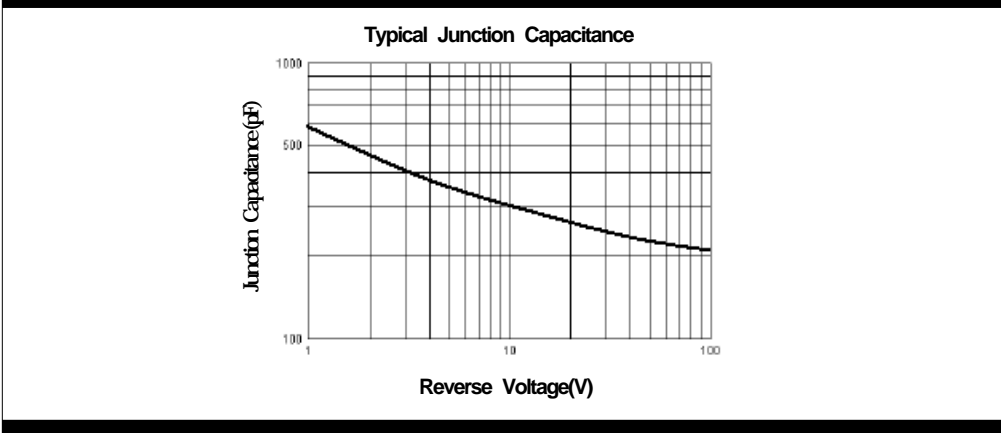
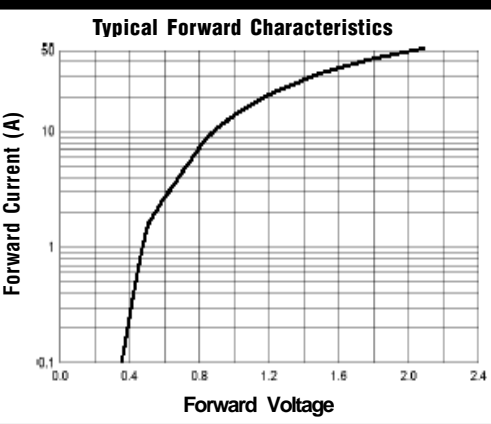
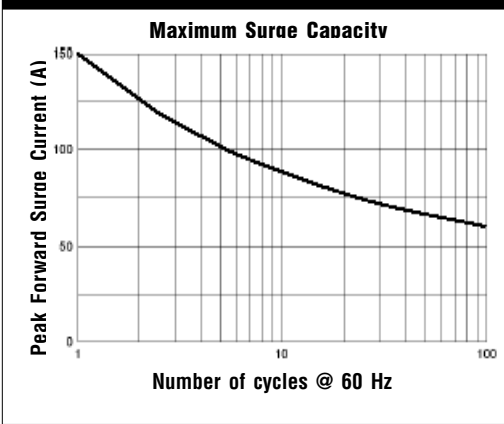
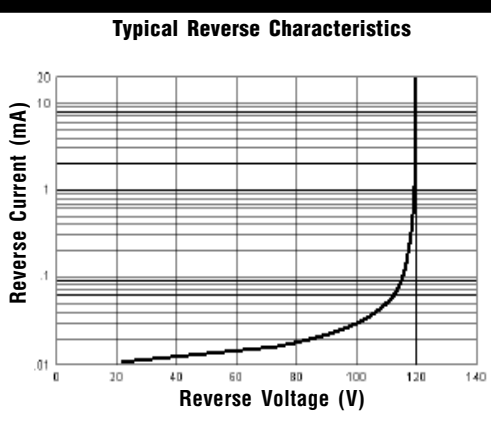
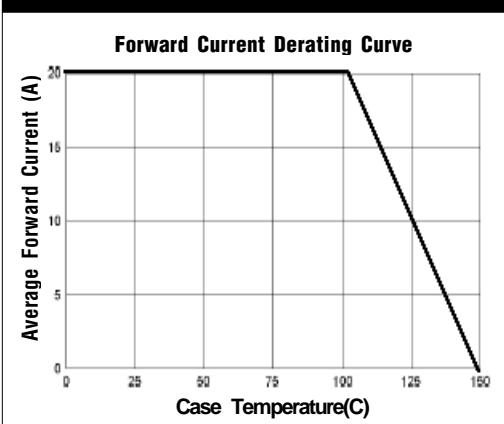
- HIGH CURRENT CAPABILITY WITH LOW V_F
- HIGH SURGE VOLTAGE AND TRANSIENT PROTECTION
- HIGH EFFICIENCY w/LOW POWER LOSS
- MEETS UL SPECIFICATION 94V-0

	FBR20150	Units
Maximum Ratings		
Peak Repetitive Reverse Voltage... V_{RRM} Pulse Test 0.5 ms, Duty Cycle 1/40	150	Volts
Working Peak Reverse Voltage... V_{RWM}	150	Volts
DC Blocking Voltage... V_{DC}	150	Volts
Average Forward Rectified Current... I_o $T_c = 110^\circ\text{C}$	20	Amps
Non-Repetitive Peak Forward Surge Current... I_{FSM} @ Rated Load Conditions, Sinosoidal Wave, 60Hz, 1 Cycle, $T_j = 125^\circ\text{C}$	150	Amps
Operating Temperature Range... T_j	-65 to +150	$^\circ\text{C}$
Storage Temperature Range... T_{STRG}		$^\circ\text{C}$
Electrical Characteristics		
Maximum Forward Voltage... V_F @ $I_F = 10$ Amps @ 125C	.85	Volts
@ $I_F = 10$ Amps @ 25C	.95	Volts
Maximum DC Reverse Current (@ $V_R = V_{RM}$)... I_R @25C	0.5	mAmps
@ Rated DC Blocking Voltage @125C	20.0	
Thermal Resistance, Junction to Case... $R_{\theta JC}$	1.5	$^\circ\text{C} / \text{W}$



20 Amp High Voltage SCHOTTKY BARRIER RECTIFIERS

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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%.