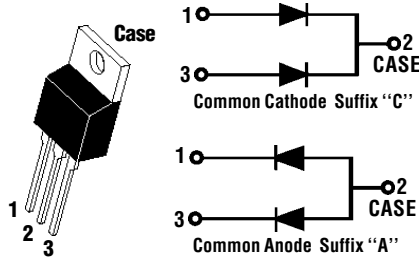




# 20 Amp High Voltage SCHOTTKY BARRIER RECTIFIERS

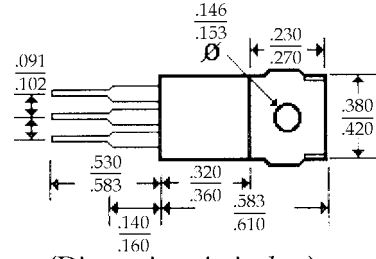
FBR2060 . . . 20100 Series

## Description



## Mechanical Dimensions

JEDEC  
T0-220AB



(Dimensions in inches)

## 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

FBR2060 . . . 20100 Series					Units
Maximum Ratings	FBR2060	FBR2080	FBR2090	FBR20100	
Peak Repetitive Reverse Voltage... $V_{RRM}$ Pulse Test 0.5 ms, Duty Cycle 1/40	60	80	90	100	Volts
Working Peak Reverse Voltage... $V_{RWM}$	60	80	90	100	Volts
DC Blocking Voltage... $V_{DC}$	60	80	90	100	Volts
Average Forward Rectified Current... $I_o$ $T_c = 110^\circ C$	..... 20 .....				Amps
Non-Repetitive Peak Forward Surge Current... $I_{FSM}$ @ Rated Load Conditions, Sinosoidal Wave, 60Hz, 1 Cycle, $T_j = 125^\circ C$	..... 120 .....				Amps
Operating Temperature Range... $T_j$	..... -40 to 125 .....				$^\circ C$
Storage Temperature Range... $T_{STRG}$	..... + 125 .....				$^\circ C$
<b>Electrical Characteristics</b>					
Maximum Forward Voltage... $V_F$ @ $I_F = 10$ Amps	..... .85 .....				Volts
@ $I_F = 20$ Amps	..... .95 .....				Volts
Maximum DC Reverse Current (@ $V_R = V_{RM}$ )... $I_R$ @ Rated DC Blocking Voltage	..... 3.0 .....				mAmps
Thermal Resistance, Junction to Case... $R_{\theta JC}$	..... 1.5 .....				$^\circ C / W$



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