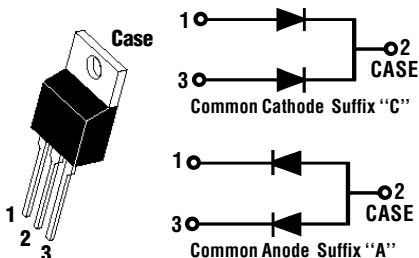
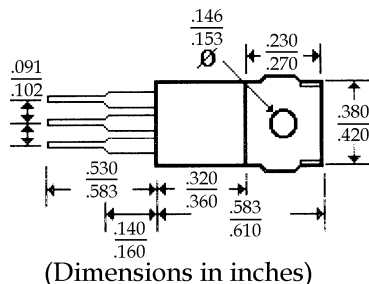


Description



Mechanical Dimensions

**JEDEC
T0-220AB**

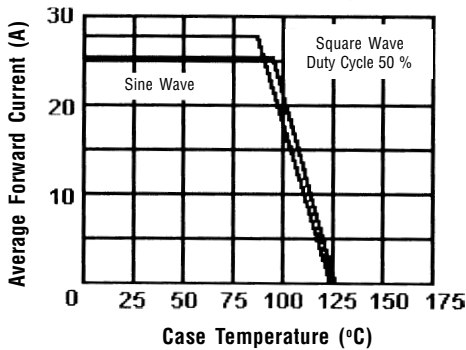


Features

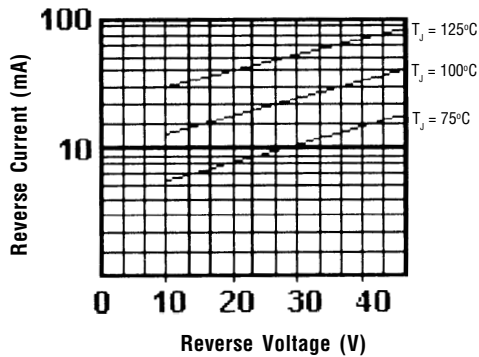
- **HIGH CURRENT CAPABILITY WITH LOW V_F**
- **HIGH SURGE VOLTAGE AND TRANSIENT PROTECTION**
- **HIGH EFFICIENCY w/LOW POWER LOSS**
- **MEETS UL SPECIFICATION 94V-0**

FBR2530 . . . 2560 Series						Units
Maximum Ratings	FBR2530	FBR2535	FBR2540	FBR2545	FBR2560	
Peak Repetitive Reverse Voltage...V _{RRM}	30	35	40	45	60	Volts
Working Peak Reverse Voltage...V _{RWM}	30	35	40	45	60	Volts
DC Blocking Voltage...V _{DC}	30	35	40	45	60	Volts
Average Forward Rectified Current...I _o T _c = 110°C	 25					Amps
Non-Repetitive Peak Forward Surge Current...I _{FSM} @ Rated Load Conditions, Sinosoidal Wave, 60Hz, 1 Cycle, T _j = 125°C	 250					Amps
Operating Temperature Range...T _j	 -40 to 125					°C
Storage Temperature Range...T _{STRG}	 + 125					°C
Electrical Characteristics						
Maximum Forward Voltage @ 12.5 A...V _F	<55 > <65 ... >					Volts
Maximum DC Reverse Current (@ V _R = V _{RM})...I _R @ Rated DC Blocking Voltage	 3.0					mAmps
Thermal Resistance, Junction to Case...R _{θJC}	 1.5					°C / W

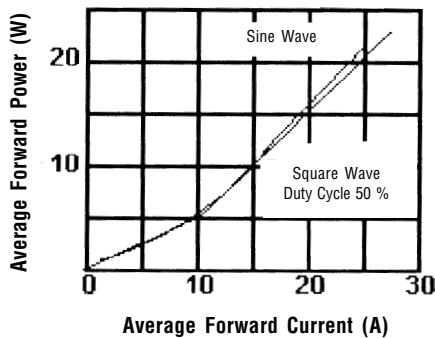
Forward Current Derating Curve



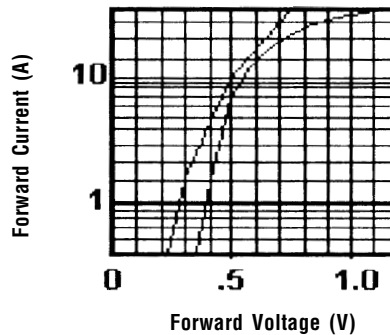
Typical Reverse Characteristics



Forward Power Dissipation



Typical Forward Characteristics



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%.