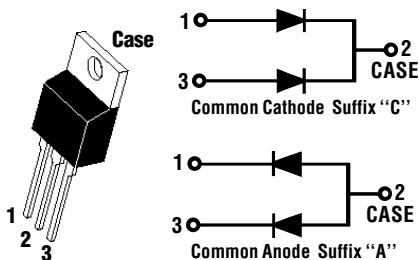
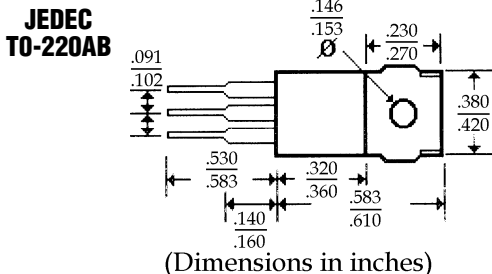


FBR1630...1645 Series

Description



Mechanical Dimensions



Features

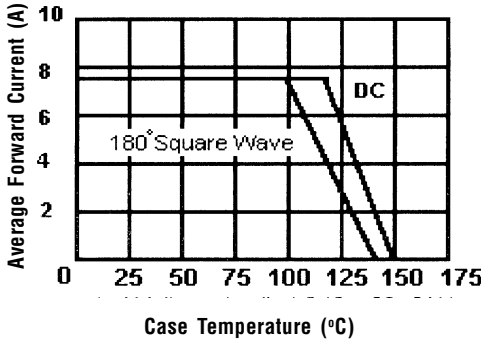
- HIGH CURRENT CAPABILITY WITH LOW V_F
- HIGH SURGE VOLTAGE AND TRANSIENT PROTECTION
- HIGH EFFICIENCY w/LOW POWER LOSS
- MEETS UL SPECIFICATION 94V-0

FBR1630...1645 Series				Units	
Maximum Ratings	FBR1630	FBR1635	FBR1640	FBR1645	
Peak Repetitive Reverse Voltage... V_{RRM} Pulse Test 0.5 ms, Duty Cycle 1/40	30	35	40	45	Volts
Working Peak Reverse Voltage... V_{RWM}	30	35	40	45	Volts
DC Blocking Voltage... V_{DC}	30	35	40	45	Volts
Average Forward Rectified Current... I_o @ $T_c = 110^\circ\text{C}$	16				Amps
Non-Repetitive Peak Forward Surge Current... I_{FSM} @ Rated Load Conditions, Sinosoidal Wave, 60Hz, 1 Cycle, $T_j = 125^\circ\text{C}$	200				Amps
Operating Temperature Range... T_j	-40 to 125				$^\circ\text{C}$
Storage Temperature Range... T_{STRG}	+ 125				$^\circ\text{C}$
Electrical Characteristics					
Maximum Forward Voltage @ 8.0 Amps... V_F	.55				Volts
Maximum DC Reverse Current (@ $V_R = V_{RM}$)... I_R @ Rated DC Blocking Voltage	3.0				mAmps
Thermal Resistance, Junction to Case... $R_{\theta JC}$	3.0				$^\circ\text{C} / \text{W}$

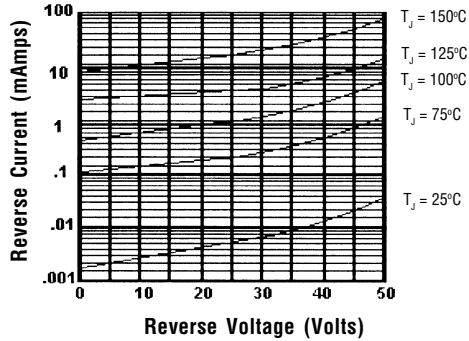
16 Amp SCHOTTKY BARRIER RECTIFIERS

FBR1630...1645 Series

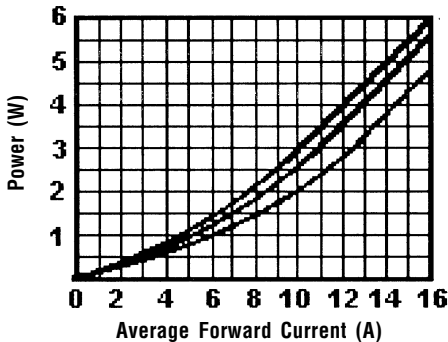
Forward Current Derating Curve



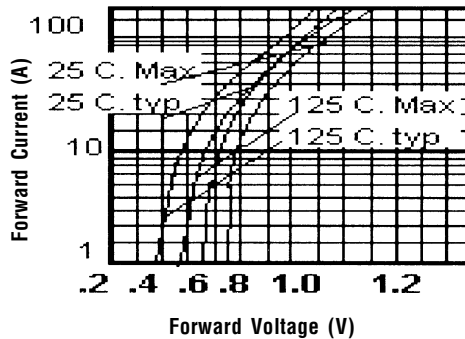
Typical Reverse Characteristics



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%.