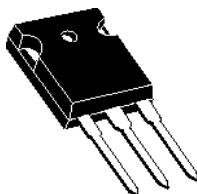
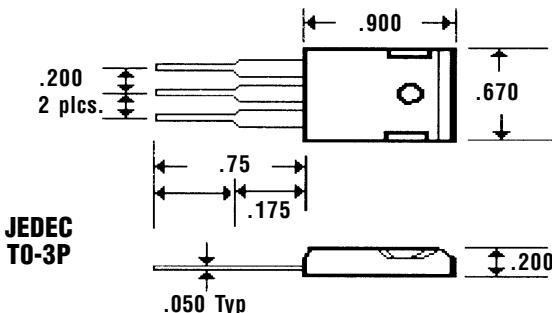


Description



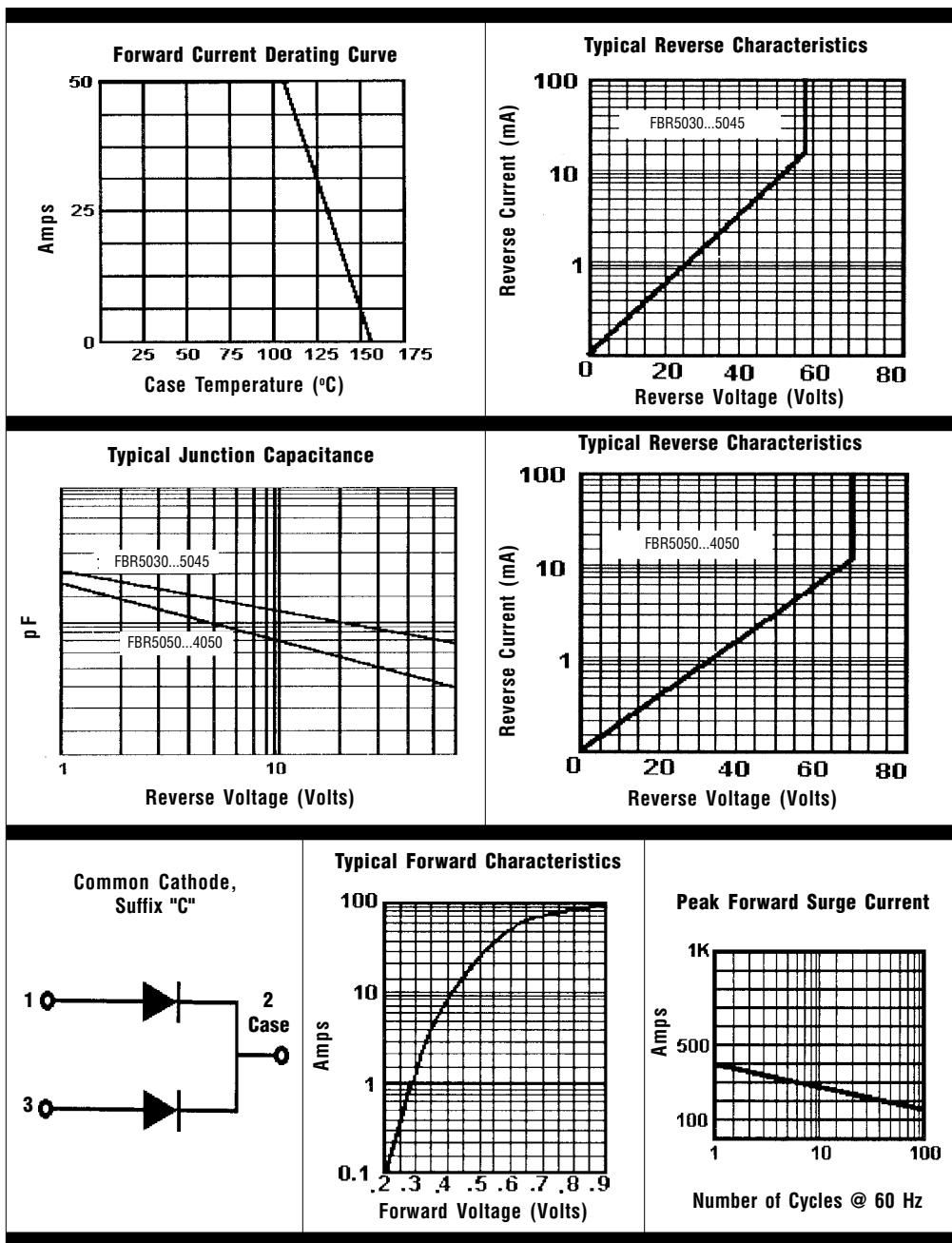
Mechanical Dimensions



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**

Electrical Characteristics @ 25°C.	FBR5030 . . . 5060 Series						Units
Maximum Ratings	FBR5030 FBR5035 FBR5040 FBR5045 FBR5050 FBR5060						
Peak Repetitive Reverse Voltage... $V_{R\text{RM}}$	30	35	40	45	50	60	Volts
Working Peak Reverse Voltage... $V_{R\text{WM}}$	30	35	40	45	50	60	Volts
DC Blocking Voltage... V_{DC}	30	35	40	45	50	60	Volts
RMS Reverse Voltage... V_R (rms)	21	24	28	31	35	42	Volts
Average Forward Rectified Current... I_A @ $T_C = 110^\circ\text{C}$ V_R (equiv.) < = $0.2V_{R(\text{DC})}$ 50						Amps
Non-Repetitive Peak Forward Surge Current... I_{FSM} @ Rated Load Conditions, ½ Sine Wave, Single Phase, 60HZ 500						Amps
Forward Voltage... V_F @ $I_F = 25$ Amps	< 65 > < 70 >						Volts
DC Reverse Current... I_R @ Rated DC Blocking Voltage	$T_C = 25^\circ\text{C}$ 10					
	$T_C = 125^\circ\text{C}$	< 100 > < 150 >					
Operating & Storage Temperature Range... T_J, T_{STRG} -65 to 150						°C



NOTES:

1. Measured @ 1 MHZ and applied reverse voltage of 4.0V.
2. Thermal Resistance Junction to Case, Jedec Method.
3. When Mounted to heat sink, from body.

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%.