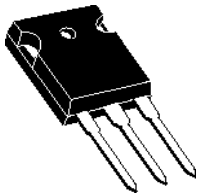


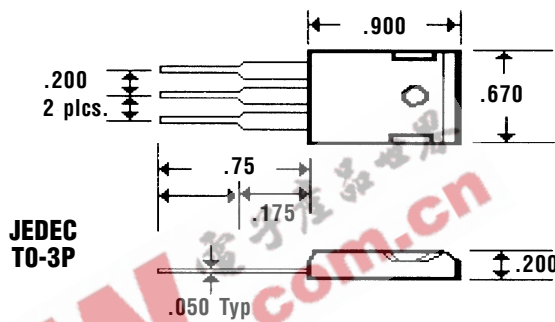
**30 Amp 90 & 100V SCHOTTKY BARRIER RECTIFIERS**

**FBR3090 & 30100 Series**

**Description**



**Mechanical Dimensions**



**Features**

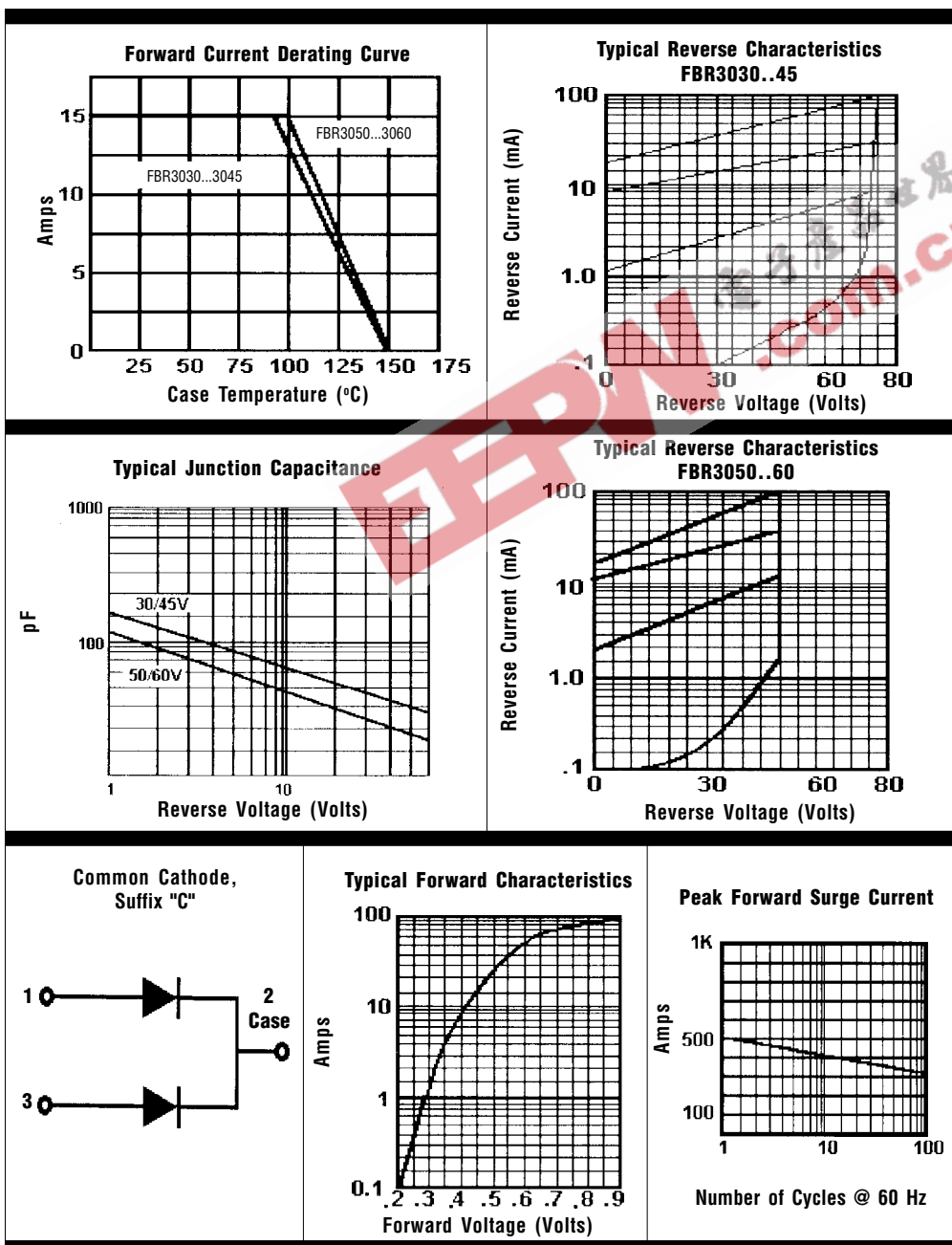
- HIGH CURRENT CAPABILITY WITH LOW  $V_F$
- HIGH SURGE VOLTAGE AND TRANSIENT PROTECTION
- HIGH EFFICIENCY w/LOW POWER LOSS
- MEETS UL SPECIFICATION 94V-0

Electrical Characteristics @ 25°C.	FBR3090 & 30100		Units
Maximum Ratings	FBR3090	FBR30100	
Peak Repetitive Reverse Voltage... $V_{RRM}$	90	100	Volts
Working Peak Reverse Voltage... $V_{RWM}$	90	100	Volts
DC Blocking Voltage... $V_{DC}$	90	100	Volts
RMS Reverse Voltage... $V_R$ (rms)	21	42	Volts
Average Forward Rectified Current... $I_o$ @ $T_C = 110^\circ C$ $V_R$ (equiv.) $< = 0.2V_{R(DC)}$	30		Amps
Non-Repetitive Peak Forward Surge Current... $I_{FSM}$ @ Rated Load Conditions, 1/2 Sine Wave, Single Phase, 60HZ	300		Amps
Forward Voltage... $V_F$ @ $I_F = 15$ Amps	.55		Volts
DC Reverse Current... $I_R$ @ Rated DC Blocking Voltage	$T_C = 25^\circ C$ ..... 10 $T_C = 150^\circ C$ ..... 100		mAmps mAmps
Operating Temperature Range... $T_J$	-65 to 150		°C



### 30 Amp 90 & 100V SCHOTTKY BARRIER RECTIFIERS

**FBR3090 & 3100**



- 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%.