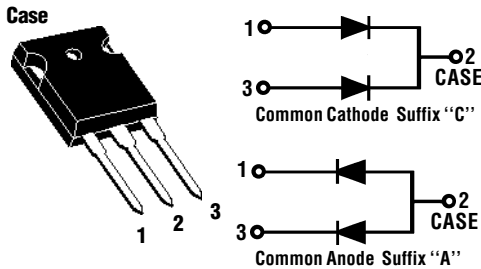


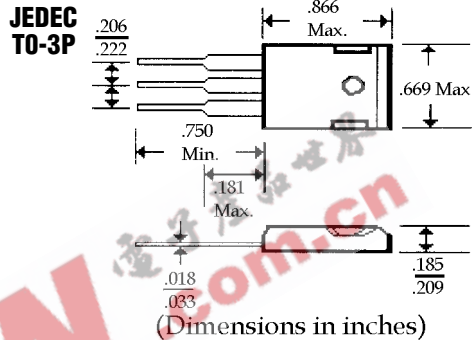
**30 Amp SCHOTTKY  
BARRIER RECTIFIERS**

**FBR3030...3060 Series**

**Description**



**Mechanical Dimensions**



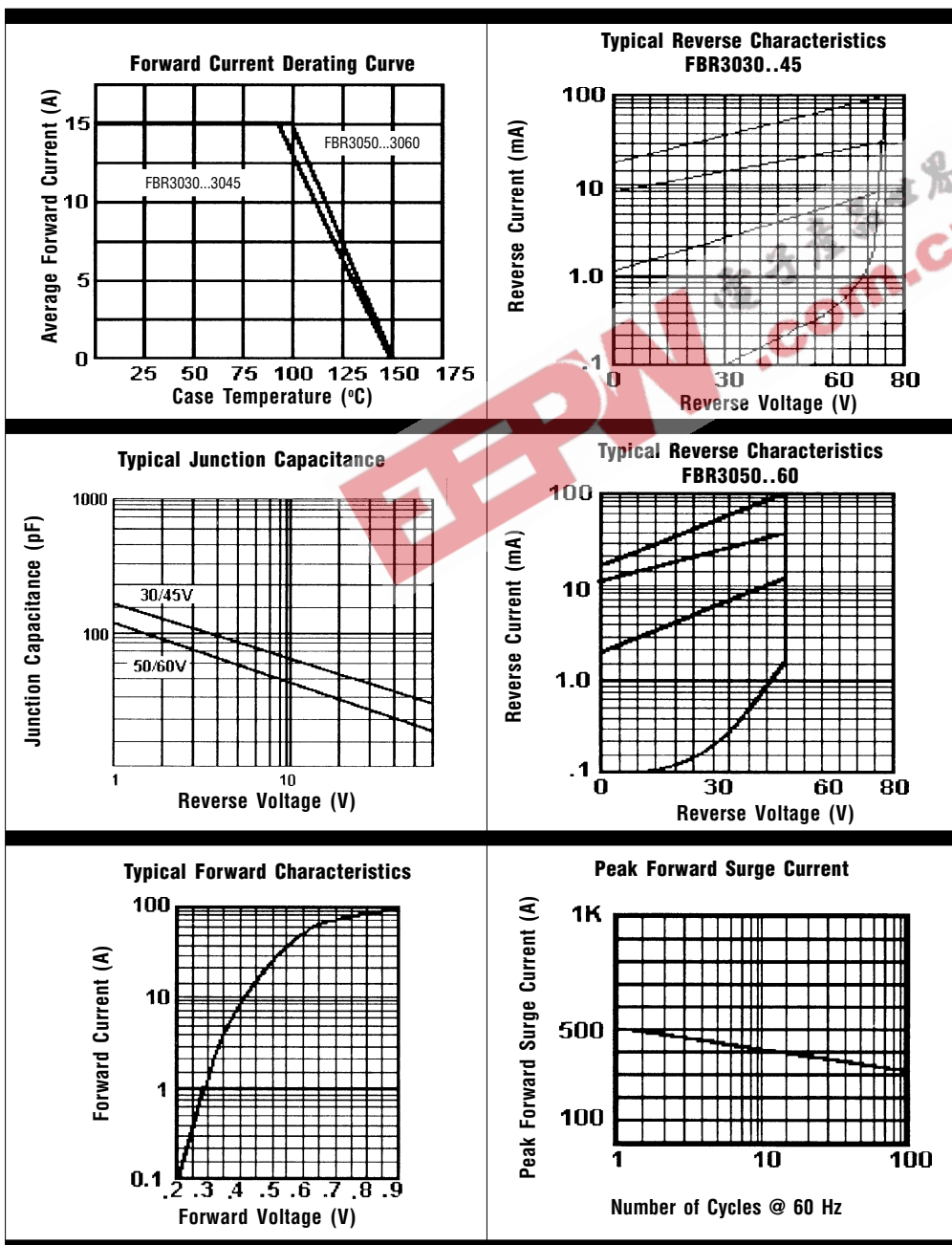
**Features**

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

FBR3030 . . . 3060 Series							Units
Maximum Ratings	FBR3030	FBR3035	FBR3040	FBR3045	FBR3050	FBR3060	
Peak Repetitive Reverse Voltage... $V_{RRM}$	30	35	40	45	50	60	Volts
Working Peak Reverse Voltage... $V_{RWM}$	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... $I_o$ @ $T_C = 110^\circ\text{C}$ $V_R$ (equiv.) $\leq 0.2V_{R(DC)}$	30						Amps
Non-Repetitive Peak Forward Surge Current... $I_{FSM}$ @ Rated Load Conditions, 1/2 Sine Wave, Single Phase, 60Hz	300						Amps
Operating Temperature Range... $T_J$	-65 to 150						$^\circ\text{C}$
<b>Electrical Characteristics</b>							
Maximum Forward Voltage... $V_F$ @ $I_F = 15$ Amps	< .55 >					< .65 >	Volts
Maximum DC Reverse Current... $I_R$ @ Rated DC Blocking Voltage	$T_C = 25^\circ\text{C}$	3.0					mAmps
	$T_C = 150^\circ\text{C}$	100					mAmps

**30 Amp SCHOTTKY BARRIER RECTIFIERS**

**FBR3030 ... 3060 Series**



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%.