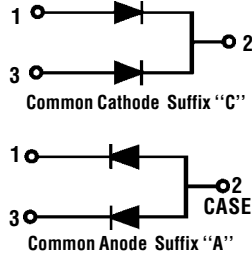


FBRP3040 . . . 30100 Series

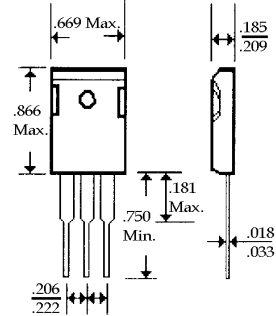
**Description**



TO-3P



**Mechanical Dimensions**



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

FBRP3040 . . . 30100 Series					Units	
<b>Maximum Ratings</b>	FBRP3040	FBRP3060	FBRP3080	FBRP3090	FBRP30100	
Peak Repetitive Reverse Voltage... $V_{RRM}$ Pulse Test 0.5 ms, Duty Cycle 1/40	40	60	80	90	100	Volts
Working Peak Reverse Voltage... $V_{RWM}$	40	60	80	90	100	Volts
DC Blocking Voltage... $V_{DC}$	40	60	80	90	100	Volts
Average Forward Rectified Current... $I_o$ $T_c = 110^\circ\text{C}$	30					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					$^\circ\text{C}$
<b>Electrical Characteristics</b>						
Maximum Forward Voltage... $V_F$ @ $I_F = 15$ Amps	0.55	0.65	0.75	0.85	0.85	Volts
Maximum DC Reverse Current (@ $V_R = V_{RM}$ )... $I_R$ @ Rated DC Blocking Voltage	3.0					mAmps
Thermal Resistance, Junction to Case... $R_{\theta JC}$	1.5					$^\circ\text{C} / \text{W}$



# 30 Amp High Voltage SCHOTTKY BARRIER RECTIFIERS

FBRP3040... 30100 Series

