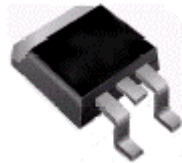




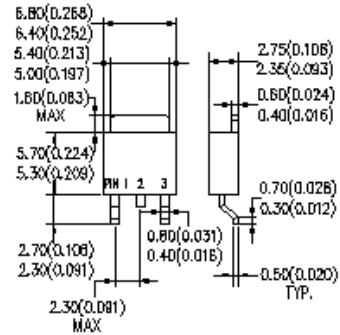
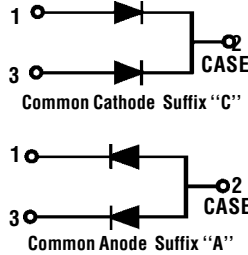
# 20 Amp High Voltage SCHOTTKY BARRIER RECTIFIERS

## Mechanical Dimensions

## Description



D2Pack



FBRD2060 . . . 20100 Series

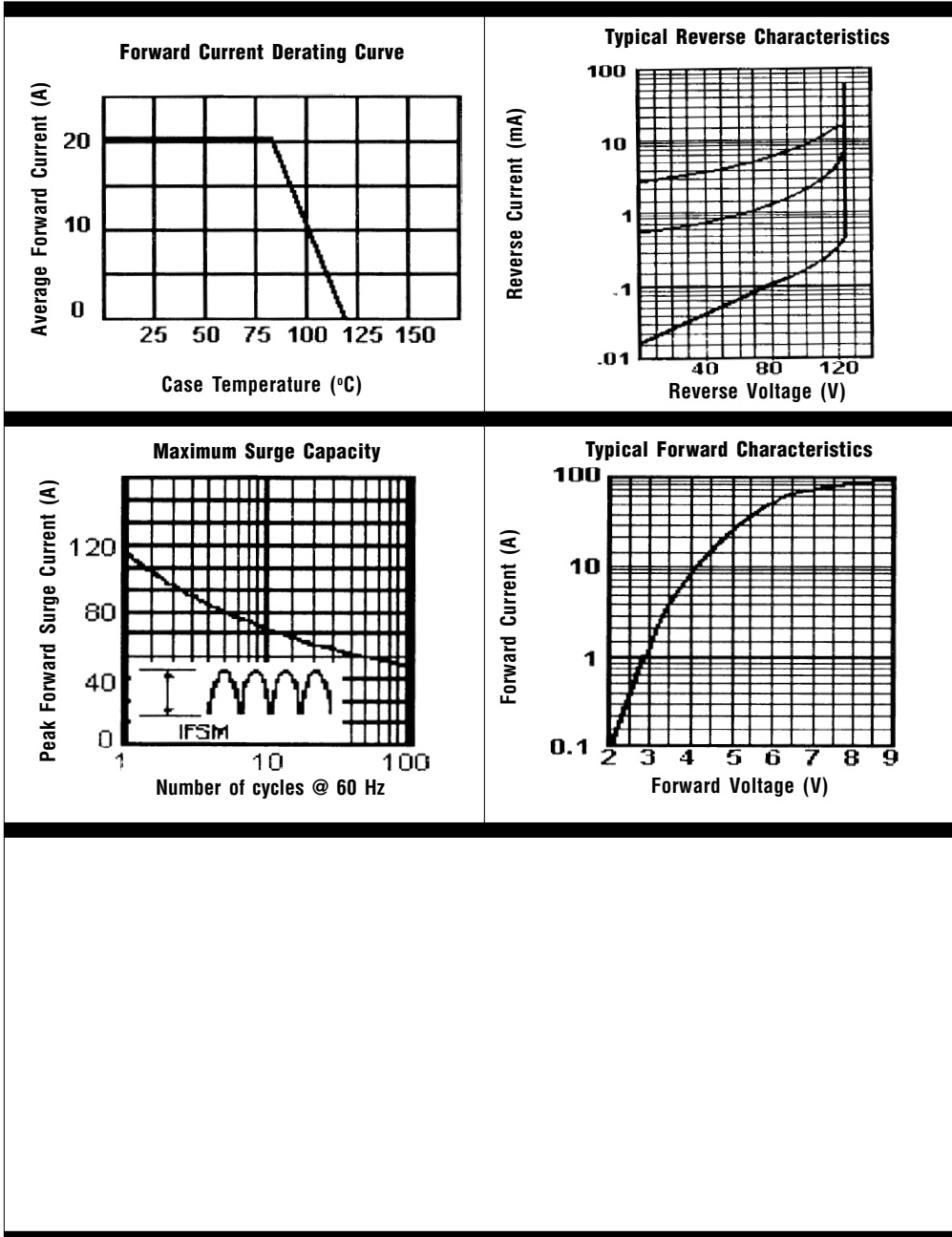
- HIGH CURRENT CAPABILITY WITH LOW  $V_F$
- HIGH SURGE VOLTAGE AND TRANSIENT PROTECTION
- HIGH EFFICIENCY w/LOW POWER LOSS
- MEETS UL SPECIFICATION 94V-0

FBRD2060 . . . 20100 Series					Units
<b>Maximum Ratings</b>	FBRD2060	FBRD2080	FBRD2090	FBRD20100	
Peak Repetitive Reverse Voltage... $V_{RRM}$ Pulse Test 0.5 ms, Duty Cycle 1/40	60	80	90	100	Volts
Working Peak Reverse Voltage... $V_{RWM}$		60	80	90	Volts
DC Blocking Voltage... $V_{DC}$		60	80	90	Volts
Average Forward Rectified Current... $I_o$ $T_c = 110^\circ\text{C}$	20				Amps
Non-Repetitive Peak Forward Surge Current... $I_{FSM}$ @ Rated Load Conditions, Sinosoidal Wave, 60Hz, 1 Cycle, $T_j = 125^\circ\text{C}$	120				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... $V_f$ @ $I_f = 10$ Amps	.85				Volts
@ $I_f = 20$ Amps	.95				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				$^\circ\text{C} / \text{W}$



# 20 Amp High Voltage SCHOTTKY BARRIER RECTIFIERS

FBRD2060... 20100 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%.