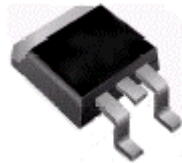




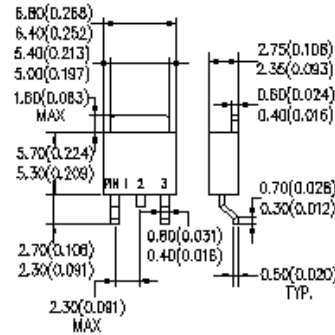
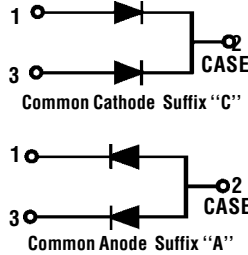
20 Amp High Voltage SCHOTTKY BARRIER RECTIFIERS

Mechanical Dimensions

Description



D2Pack



FBRD2060 . . . 20100 Series

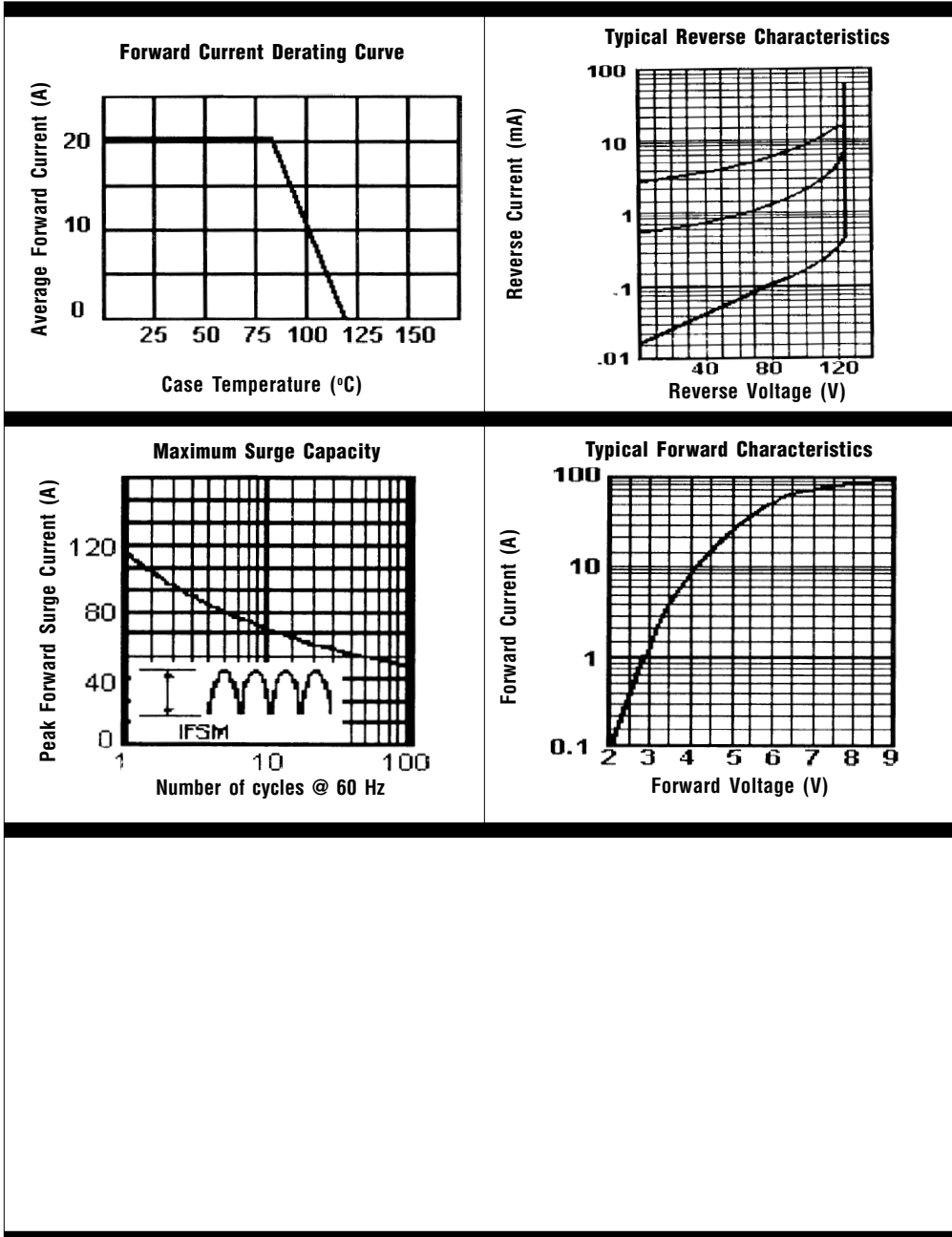
- HIGH CURRENT CAPABILITY WITH LOW V_F
- HIGH SURGE VOLTAGE AND TRANSIENT PROTECTION
- HIGH EFFICIENCY w/LOW POWER LOSS
- MEETS UL SPECIFICATION 94V-0

FBRD2060 . . . 20100 Series					Units
Maximum Ratings	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				$^\circ\text{C}$
Electrical Characteristics					
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%.