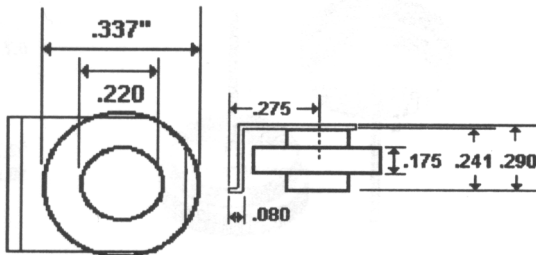
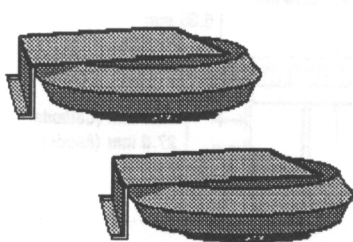


FASTORB - 32 Amp SMD Avalanche AUTOMOTIVE RECTIFIERS

Mechanical Dimensions

Description



Bracket on cathode: no suffix
Bracket on anode: "A" suffix

FR3228SMD

Features

- INEXPENSIVE
- GLASS PASSIVATED DIE
- SURFACE MOUNT CONFIGURATION
- AVALANCHE VOLTAGE 24 TO 32 VOLTS

FR3228SMD

Maximum Ratings	Symbol	Value	Units
Peak Repetitive Reverse Voltage	V_{RRM}	20	Volts
Working Peak Reverse Voltage	V_{RWM}	20	Volts
DC Blocking Voltage	V_{DC}	20	Volts
Repetitive Peak Reverse Surge Current	I_{RSM}	52	Amps
Average Forward Rectified Current	I_O	32	Amps
Non-Repetitive Peak Forward Surge Current	I_{FSM}	500	Amps
Typical Thermal Resistance, Junction to Case	$R_{\theta JC}$.8	$^{\circ}C / W$

Electrical Characteristics	Min.	Max.	Units
Instantaneous Forward Voltage ($I_F = 100$ Amps, $T_C = 25^{\circ}C$)... V_F	N/A	1.10	Volts
Instantaneous Reverse Current ($V_R = 20$ V _{DC} , $T_C = 25^{\circ}C$)... I_R	N/A	1.0	μ Amps
Breakdown Voltage ($I_R = 100$ mAmps, $T_C = 25^{\circ}C$)... V_{BR}	24	32	Volts
Clamping Voltage ($I_R = 90$ Amps, $T_C = 150^{\circ}C$, PW = 80 μ s)... V_{BR}	N/A	40	Volts
Breakdown Voltage Temperature Coefficient... $V_{(br)} T_C$	N/A	0.096	% / $^{\circ}C$
Forward Voltage Temperature Coefficient...($I_F = 10$ mA) $V_{F(tc)}$	N/A	2	mV / $^{\circ}C$