



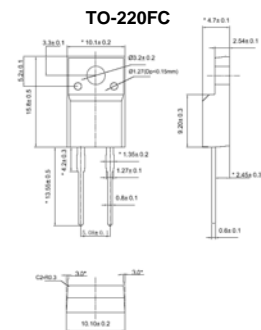
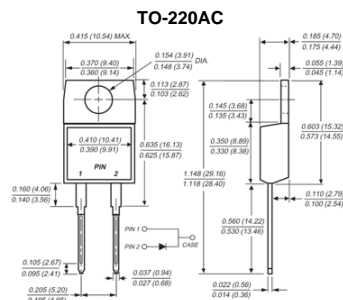
Glass passivated super fast rectifier  
Reverse voltage 600 volts forward current 10 amperes

**Features**

- ◆ Superfast switching time for high efficiency
- ◆ Low reverse leakage current
- ◆ High surge capacity

**Mechanical Data**

- ◆ Case: TO-220AB full molded plastic package
- ◆ Terminals: Lead solderable per MIL-STD-202, Method 208
- ◆ Polarity: As marked
- ◆ Standard packaging: Any
- ◆ Weight: 0.08 ounces, 2.24 grams



**Limiting Values (Absolute Maximum Rating)**

Item	Symbol	Unit	Conditions	MUR
				1060/F
Repetitive Peak Reverse Voltage	$V_{RRM}$	V		600
Average Rectified Output Current	$I_o$	A	60Hz sine wave, R- load, $T_a=25^{\circ}C$	10
Surge(Non-repetitive)Forward Current	$I_{FSM}$	A	60Hz sine wave, 1 cycle, $T_a=25^{\circ}C$	125
Current Squared Time	$I^2t$	$A^2s$	$1ms \leq t < 8.3ms$ $T_j=25^{\circ}C$	93
Storage Temperature	$T_{stg}$	$^{\circ}C$		-55 ~ +150
Junction Temperature	$T_j$	$^{\circ}C$		-55 ~ +150

**Electrical Characteristics ( $T_a=25^{\circ}C$  Unless otherwise specified)**

Item	Symbol	Unit	Test Condition	Max	
Peak Forward Voltage	$V_{FM}$	V	$I_{FM}=10.0A$	1.6	
Peak Reverse Current	$I_{RRM1}$	$\mu A$	$V_{RM}=V_{RRM}$	$T_a=25^{\circ}C$	10
	$I_{RRM2}$			$T_a=125^{\circ}C$	500
Reverse Recovery Time	$T_{rr}$	ns	$I_F=0.5A$ $I_{RM}=1A$ $I_{RR}=0.25A$	50	
Thermal Resistance	$R_{\theta J-C}$	$^{\circ}C/W$	Between junction and case	2.0 (TO-220AC) 4.0 (TO-220FC)	



RATINGS AND CHARACTERISTIC CURVES ( $T_A = 25^\circ\text{C}$  unless otherwise noted)

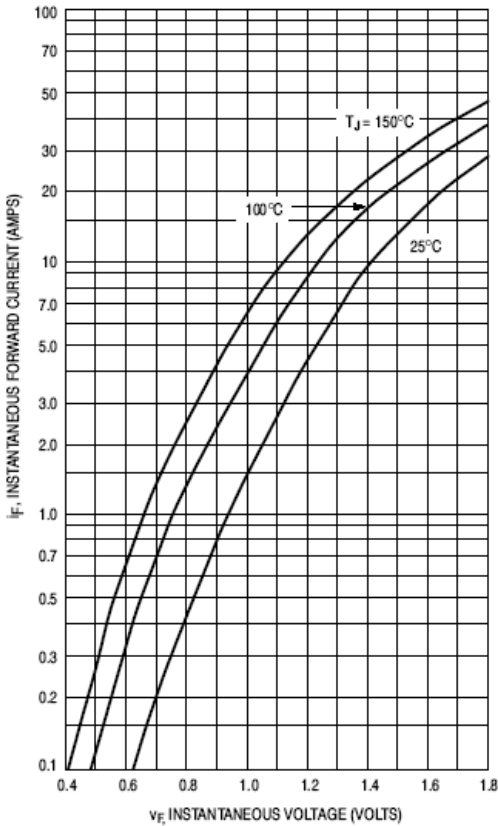


Figure 11. Typical Forward Voltage

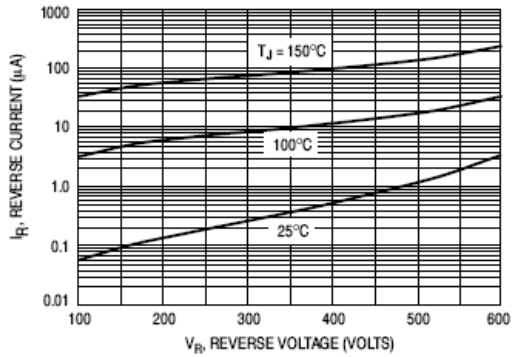


Figure 12. Typical Reverse Current\*

\* The curves shown are typical for the highest voltage device in the grouping. Typical reverse current for lower voltage selections can be estimated from these same curves if  $V_R$  is sufficiently below rated  $V_{RR}$ .

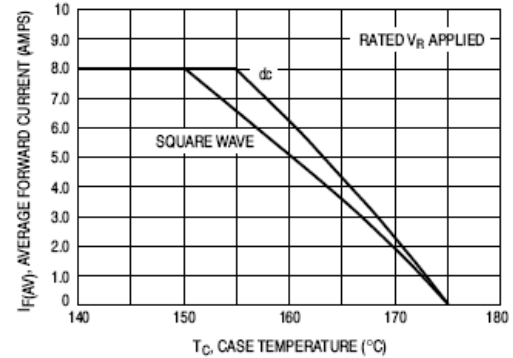


Figure 13. Current Derating, Case

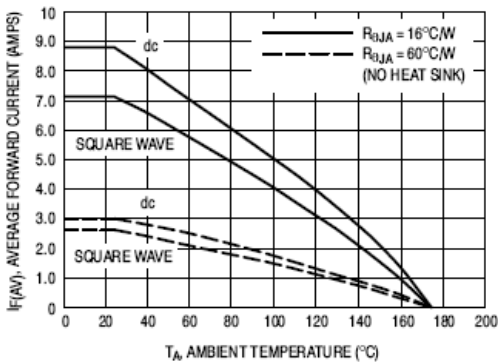


Figure 14. Current Derating, Ambient

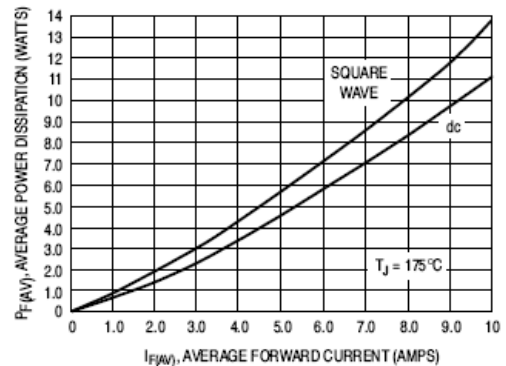


Figure 15. Power Dissipation