



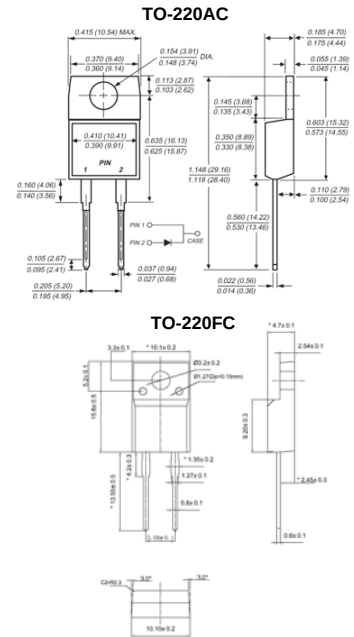
Glass passivated super fast rectifier
Reverse voltage 600 volts forward current 15 amperes

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
				1560/F
Repetitive Peak Reverse Voltage	V_{RRM}	V		600
Average Rectified Output Current	I_o	A	60Hz sine wave, R- load, $T_a=25^{\circ}\text{C}$	15
Surge(Non-repetitive)Forward Current	I_{FSM}	A	60Hz sine wave, 1 cycle, $T_a=25^{\circ}\text{C}$	150
Current Squared Time	I^2t	A^2s	$1\text{ms} \leq t < 8.3\text{ms}$ $T_j=25^{\circ}\text{C}$	93
Storage Temperature	T_{stg}	$^{\circ}\text{C}$		-55 ~ +150
Junction Temperature	T_j	$^{\circ}\text{C}$		-55 ~ +150

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

Item	Symbol	Unit	Test Condition		Max
Peak Forward Voltage	V_{FM}	V	$I_{FM}=15.0\text{A}$		2.0
Peak Reverse Current	I_{RRM1}	μA	$V_{RM}=V_{RRM}$	$T_a=25^{\circ}\text{C}$	10
	I_{RRM2}			$T_a=125^{\circ}\text{C}$	1000
Reverse Recovery Time	T_{rr}	ns	$I_F=0.5\text{A}$ $I_{RM}=1\text{A}$ $I_{RR}=0.25\text{A}$		60
Thermal Resistance	$R_{\theta J-C}$	$^{\circ}\text{C/W}$	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)

