



Pb Free Plating Product

FMG22R thru FMG24R

10.0 Ampere Dual Unipolar/Common Anode Polarity Ultrafast Recovery Diode

Features

- ★ Fast switching for high efficiency
- ★ Low forward voltage drop
- ★ High current capability
- ★ Low reverse leakage current
- ★ High surge current capability

Application

- ★ Automotive Environment(Inverter/Converter)
- ★ Plating Power Supply,UPS and Adaptor
- ★ Car Audio Amplifier and Sound Device System

Mechanical Data

- ★ Glass passivated chip junction
- ★ Case:TO-220F insulated package type
- ★ Epoxy: UL 94V-0 rate flame retardant
- ★ Terminals: Solderable per MIL-STD-202 method 208
- ★ Polarity: " S " " R " " U " type(As marked)
- ★ Mounting position: Any
- ★ Weight: 2.2 gram approximately

ELECTRICAL CHARACTERISTICS

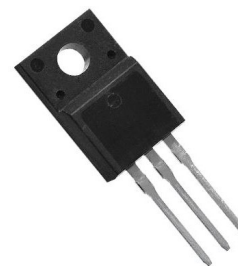
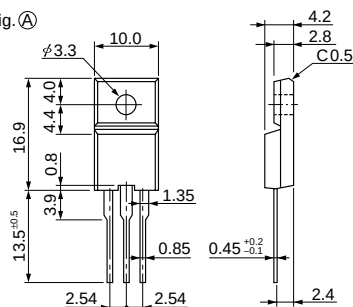
Parameter Type No.	Absolute Maximum Ratings					Electrical Characteristics (Ta=25°C)							Others			
	V _{RM} (V)	I _F (A) (A) With Heatsink	I _{FSM} (A) 50Hz Half-cycle Sinewave Single Shot	T _J (°C)	T _{stg} (°C)	V _F (V) max per element	I _F (A) V _R =V _{RM} max per element	I _R (mA) V _R =V _{RM} , Ta=100°C max per element	I _R (H) (mA)	t _{rr} ① (ns)	t _{rr} ② (ns)	R _{th} (j-c) (°C/W)	Mass (g)	Fig.		
FMG22R FMG-22R	200	10.0	65	-40 to +150		0.98	5.0	0.25	1.0	40	100/100	30	100/200	4.0	2.1	Ⓐ
FMG23R FMG-23R	300		70			1.30		0.1	0.5	50		35				
FMG24R FMG-24R	400								0.2							

External Dimensions

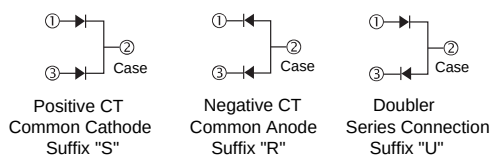
(Unit: mm) (Full-mold)

Flammability:
UL94V-0 or Equivalent

Fig. A



Internal Configurations

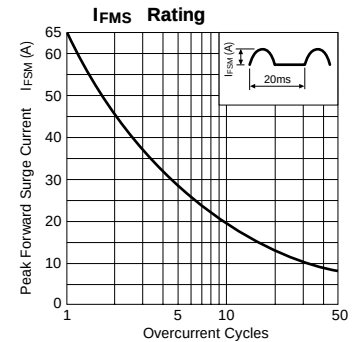
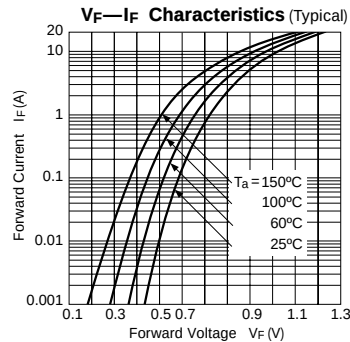
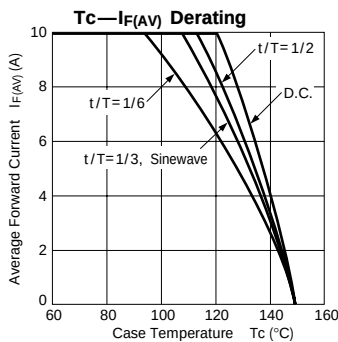


ITO-220AB/TO-220F/TO-220FH/TO-220FG/TO-220FB
TO-220 Fully Isolated/Insulated Plastic Package Outline

RATINGS AND CHARACTERISTIC CURVES (FMG22R thru FMG24R)

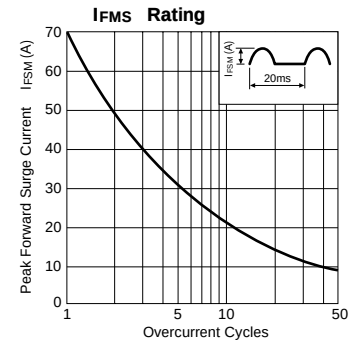
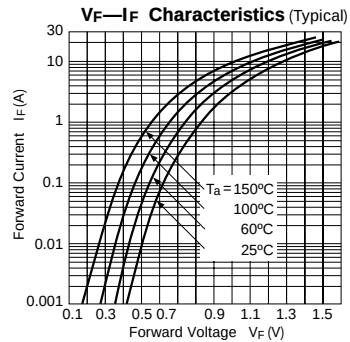
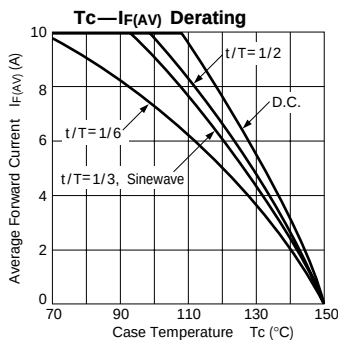
FMG22S/FMG22R/FMG22U

FMG-22S/FMG-22R/FMG-22U



FMG23S/FMG23R/FMG23U

FMG-23S/FMG-23R/FMG-23U



FMG24S/FMG24R/FMG24U

FMG-24S/FMG-24R/FMG-24U

