

Pb Free Plating Product

FMU22U thru FMU24U



Doubler Polarity Ultrafast Recovery Rectifier Diodes

Features

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

Application

- ★ Automotive Environment|DC Motor Control
- ★ Plating Power Supply|UPS
- ★ Car Amplifier and Sound Device System

Mechanical Data

- ★ Glass passivated chip junction
- ★ Case: Molded plastic TO-220 Isolated Package
- ★ Epoxy: UL 94V-0 rate flame retardant
- ★ Terminals: Solderable per MIL-STD-202 method 208
- ★ Polarity: " U " Type(As marked)
- ★ Mounting position: Any
- ★ Weight: 2.2 gram approximately

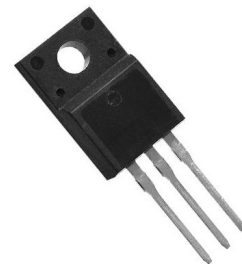
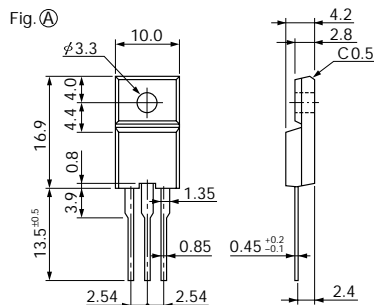
ELECTRICAL CHARACTERISTICS

Parameter Type No.	Absolute Maximum Ratings					Electrical Characteristics (Ta=25°C)							Others		
	V _{RM} (V)	I _{F(AV)} (A) With Heatsink	I _{F(SM)} (A) 50Hz Half-cycle Sinewave Single Shot	T _J (°C)	T _{stg} (°C)	V _F (V) max per element	I _R (mA) V _R =V _{RM} max per element	I _{R(H)} (mA) V _R =V _{RM} , Ta=100°C max per element	t _{rr} (1) (ns)	t _{rr} (2) (ns)	R _{th(j-c)} (°C/W)	Mass (g)	Fig.		
FMU22U FMU-22U	200	10.0	65	-40 to +150		0.98	5.0	0.25	1.0	40	100/100	30	4.0	2.1	A
FMU23U FMU-23U	300		70			1.30		0.1	0.5	50		35			
FMU24U FMU-24U	400								0.2						

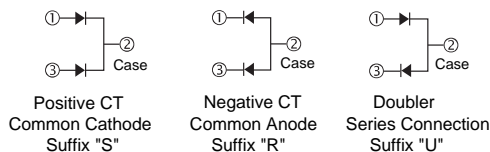
External Dimensions

(Unit: mm) (Full-mold)

Flammability:
UL94V-0 or Equivalent



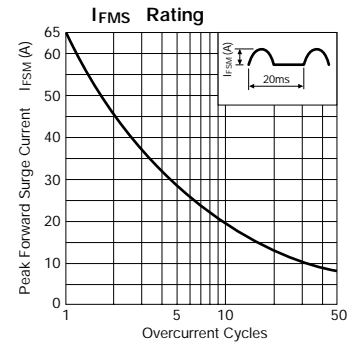
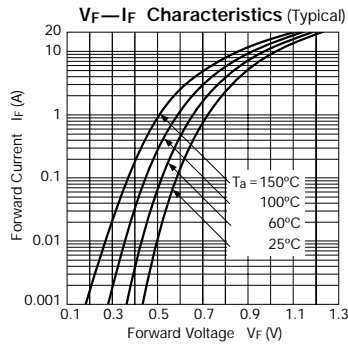
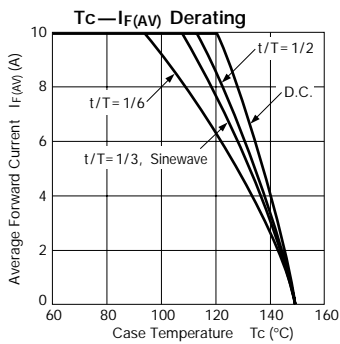
ITO-220AB/TO-220F/TO-220FH/TO-220FG/TO-220FB
TO-220 Fully Isolated/Insulated Plastic Package Outline



RATINGS AND CHARACTERISTIC CURVES (FMU22 thru FMU24)

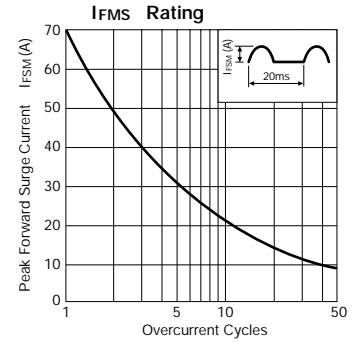
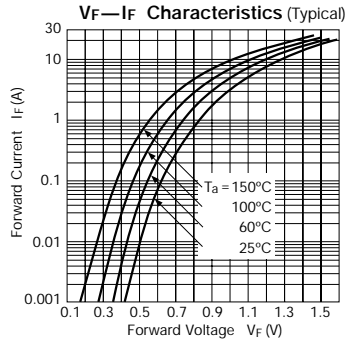
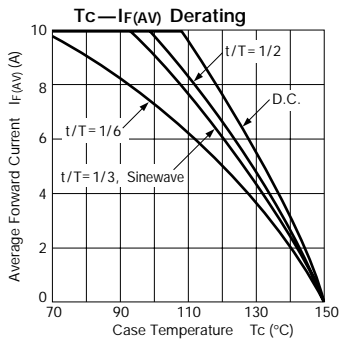
FMU22S/FMU22R/FMU22U

FMU-22S/FMU-22R/FMU-22U



FMU23S/FMU23R/FMU23U

FMU-23S/FMU-23R/FMU-23U



FMU24S/FMU24R/FMU24U

FMU-24S/FMU-24R/FMU-24U

