

Pb Free Plating Product

FMG-32 thru FMG-36



Glass Passivated 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
- ★ Amplifier and Sound Device System etc..

Mechanical Data

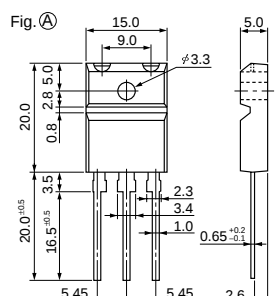
- ★ Case: Molded plastic TO-3P Isolated Package
- ★ Epoxy: UL 94V-0 rate flame retardant
- ★ Terminals: Solderable per MIL-STD-202 method 208
- ★ Polarity: " S " " R " " U " Type(As marked)
- ★ Mounting position: Any
- ★ Mounting torque: 10in-lbs. Max.
- ★ Weight: 0.2 ounce, 5.6 grams

ELECTRICAL CHARACTERISTICS

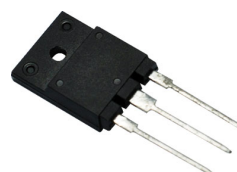
Parameter Type No.		Absolute Maximum Ratings					Electrical Characteristics (Ta=25°C)									Others								
		V _{RM} (V)	I _{F(AV)} (A) With Heatsink	I _{FSM} (A) 50Hz Half-cycle Sinewave Single Shot	T _J (°C)	T _{stg} (°C)	V _F (V) max per element	I _F (A)	I _R (mA) V _R =V _{RM} max per element	I _R (H) (mA) V _R =V _{RM} , Ta=100°C max per element	t _{rr} ① (ns) I _F /I _{RP} (mA)	t _{rr} ② (ns) I _F /I _{RP} (mA)	R _{th} (j-c) (°C/W)	Mass (g)	Fig									
FMG-32S FMG32S FMG-32R FMG32R FMG-32U FMG32U	200	20.0	150	-40 to +150		1.80	10.0	1.0	5.0	100	100/100	50	100/200	2.0	5.5	Ⓐ								
FMG-33S FMG33S FMG-33R FMG33R FMG-33U FMG33U	300					2.00																		
FMG-34S FMG34S FMG-34R FMG34R FMG-34U FMG34U	400	16.0	100																					
FMG-36S FMG36S FMG-36R FMG36R FMG-36U FMG36U	600	15.0	80			2.20	7.5																	

External Dimensions

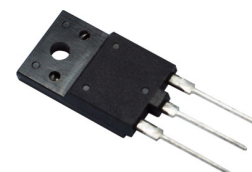
(Unit: mm) (Full-mold)

Flammability:
UL94V-0 or Equivalent

TO-3PFa/SOT-199/TO-247F

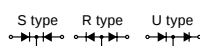


TO-3PML



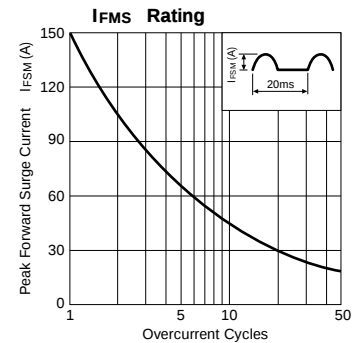
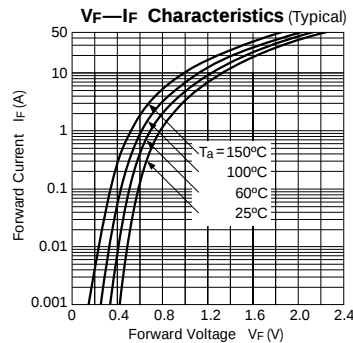
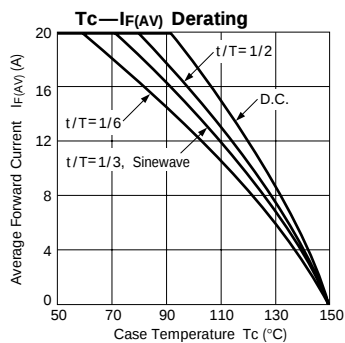
TO-3P(H)IS

ITO-3P/TO-3P Fully Isolated/Insulated Plastic Package

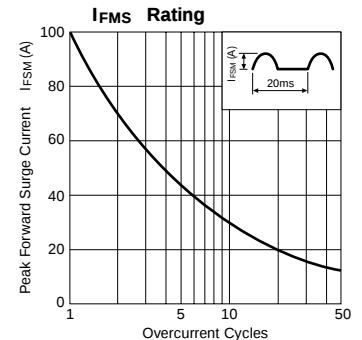
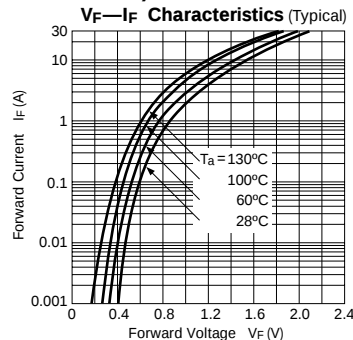
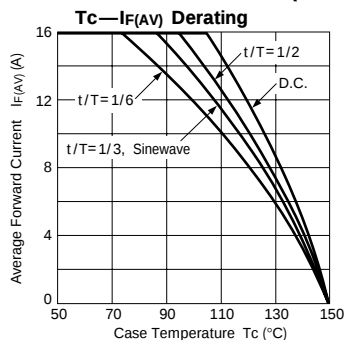


RATINGS AND CHARACTERISTIC CURVES (FMG-32 THRU FMG-36)

FMG32S/FMG32R/FMG32U, FMG33S/FMG33R/FMG33U (FMG-32S/FMG-32R/FMG-32U, FMG-33S/FMG-33R/FMG-33U)



FMG34S/FMG34R/FMG34U (FMG-34S/FMG-34R/FMG-34U)



FMG36S/FMG36R/FMG36U (FMG-36S/FMG-36R/FMG-36U)

