SF64CT

GLASS PASSIVATED SUPER FAST RECTIFIER

产品规格确认书

SF64CT

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REVERSE VOLTAGE: **200 VOLTS**

FORWARD CURRENT: **6.0 AMPERE**

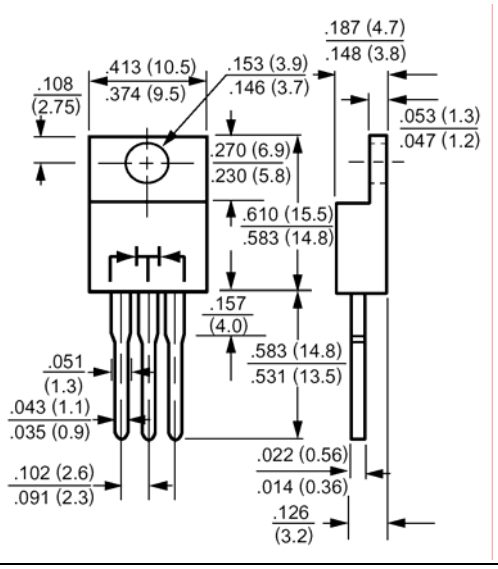
FEATURES

- Plastic package has Underwriters Laboratory Flammabiliy Classification 94V-O ctilizing Flame Retardant Epoxy Molding Compound.
- Superfast switching time for high efficiency
- Low forward voltage drop and high current capability
- High surge capacity.
- Low reverse leakage current

MECHANICAL DATA

Case: Molded plastic, TO-220
Epoxy: UL 94V-O rate flame retardant
Terminals: Leads solderable per MIL-STD-202 method 208 guaranteed
Polarity: As marked
Mounting position: Any
Weight: 0.08ounce, 2.24gram

TO-220



Dimensions in inchs and (millimeters)

Maximum Ratings and Electrical Characteristics

Ratings at 25℃ ambient temperature unless otherwise specified.
Single phase, half wave, 60Hz, resistive or inductive load.
For capacitive load, derate current by 20%.

	Symbols	SF64CT	Units
Maximum Recerrent Peak Reverse Voltage	V_{RRM}	200	Volts
Maximum RMS Voltage	V_{RMS}	140	Volts
Maximum DC Blocking Voltage	V_{DC}	200	Volts
Maximum Average Forward Rectified Current .375"(9.5mm) Lead Length at T_C=130℃	$I_{(AV)}$	6. 0	Amp
Peak Forward Surge Current, 8.3ms single half-sine-wave superimposed on rated load (JEDEC method)	I_{FSM}	75. 0	Amp
Maximum Forward Voltage at 3.0A DC and 25℃ (Note 1)	V_F	0. 975	Volts
Maximum Reverse Current at T_C=25℃ at Rated DC Blocking Voltage T_C=100℃	I_R	5. 0 500	uAmp
Maximum Reverse Recovery Time (Note 2)	T_{RR}	35	nS
Operating and Storage Temperature Range	T_J, Tstg	-40 to +150	℃

NOTES:

1- Pulse Test: Pulse width 300uSec, Duty cycle 2%.

2- Reverse Recovery Test Conditions: IF=.5A，IR=1A，IRR=.25A.