

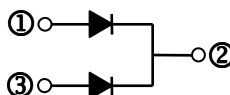
RoHS Compliant Product
A suffix of "-C" specifies halogen free

FEATURES

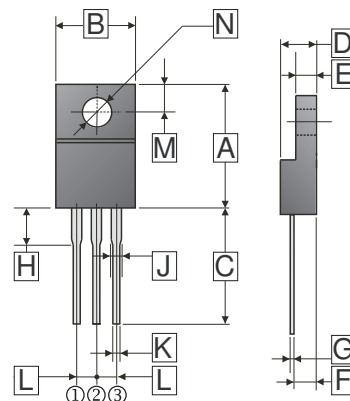
- Plastic package has Underwriters Laboratory Flammability Classification 94V-0 Flame Retardant Epoxy Molding Compound
- Metal silicon junction, majority carrier conduction
- Low power loss, high efficiency
- High current capability
- Guardring for overvoltage protection
- For use in low voltage, high frequency inverters free wheeling, and polarity protection applications.

MECHANICAL DATA

- Case: Molded plastic
- Terminals : solder plated, solderable per MIL-STD-750, Method 2026
- Polarity: As Marked
- Mounting position: Any



ITO-220J



REF.	Millimeter		REF.	Millimeter	
	Min.	Max.		Min.	Max.
A	14.5	15.5	H	3.8 TYP.	
B	9.5	10.5	J	1.30 REF.	
C	13.20 REF.		K	0.3	0.9
D	4.24	4.84	L	2.54 REF.	
E	2.52	3.20	M	2.70 REF.	
F	2.50	2.90	N	φ 3.5 REF.	
G	0.47	0.75			

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

(Rating 25°C ambient temperature unless otherwise specified. Single phase half wave, 60Hz, resistive or inductive load.
For capacitive load, de-rate current by 20%.)

Parameter	Symbol	Rating	Unit
Maximum Recurrent Peak Reverse Voltage	V_{RRM}	150	V
Maximum RMS Voltage	V_{RMS}	105	V
Maximum DC Blocking Voltage	V_{DC}	150	V
Maximum Average Forward current (See Fig.1)	$I_{F(AV)}$	10	A
Peak Forward Surge Current, 8.3 ms single half sine-wave Superimposed on rated load (JEDEC method)	I_{FSM}	110	A
Maximum Instantaneous Forward Voltage @ $I_F=5A$, per leg	V_F	0.92	V
Maximum DC Reverse Current at Rated DC Blocking Voltage	$T_A=25^\circ C$	0.02	mA
	$T_A=125^\circ C$	20	
Typical Thermal Resistance	$R_{\theta JC}$	4	$^\circ C/W$
Operating and Storage Temperature Range	T_J, T_{STG}	150, -55~150	$^\circ C$

RATINGS AND CHARACTERISTIC CURVES

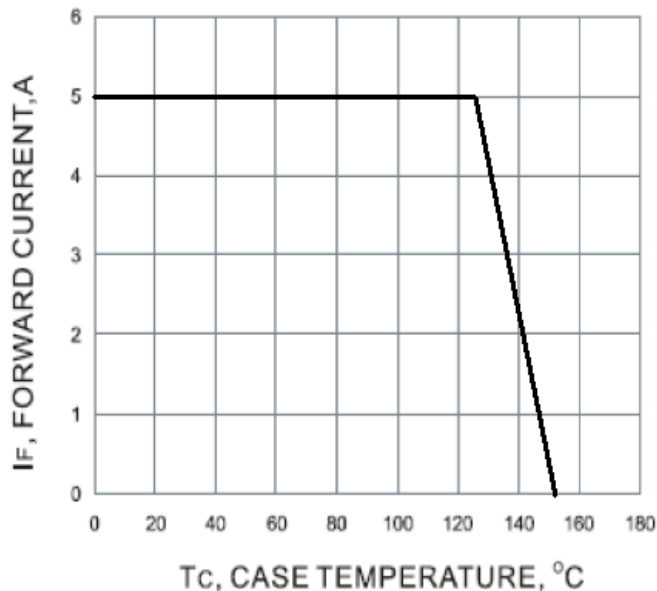


Fig.1 - FORWARD CURRENT DERATING CURVE

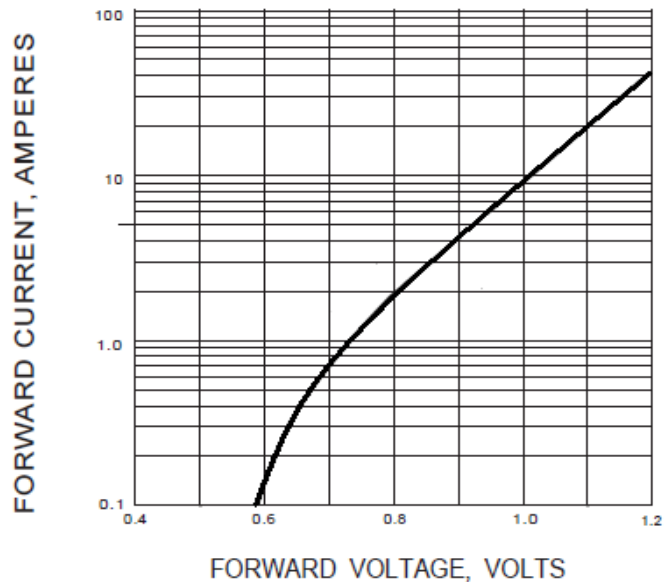


Fig.2 - TYPICAL INSTANTANEOUS FORWARD CHARACTERISTIC

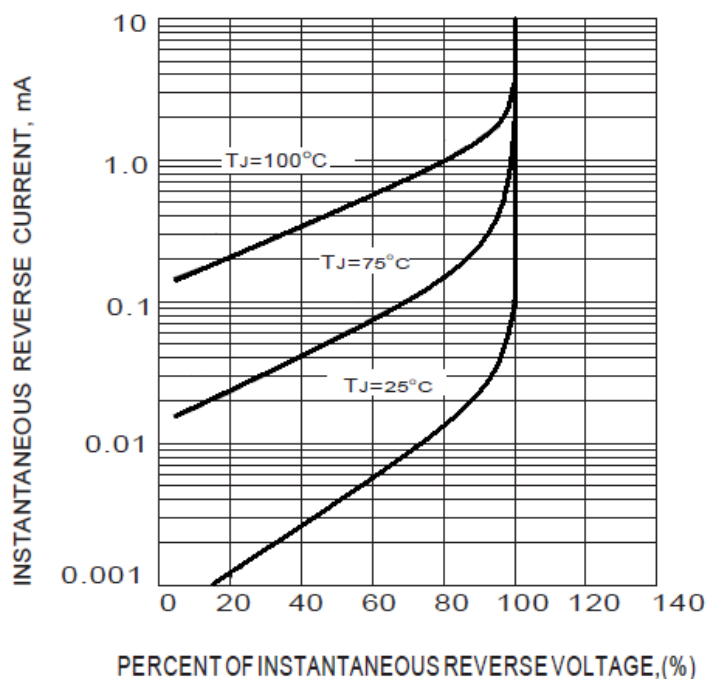


Fig.3 - TYPICAL REVERSE CHARACTERISTICS

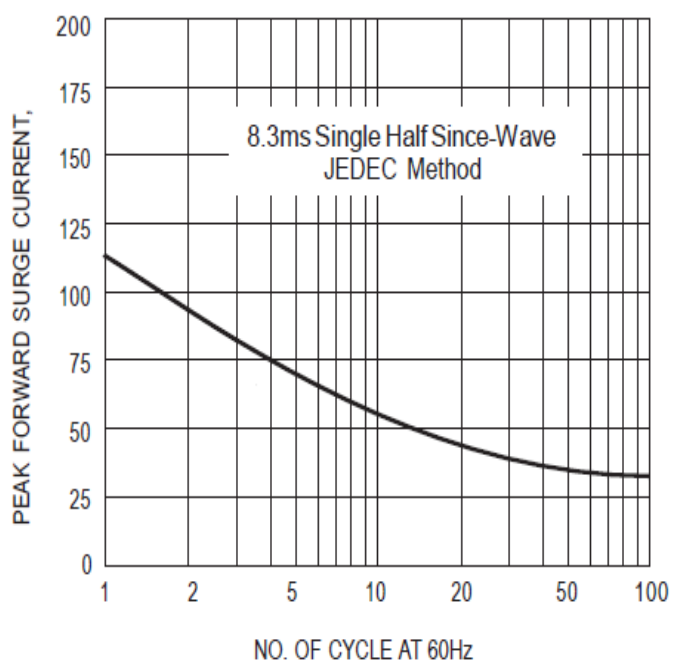


Fig.4 - TYPICAL INSTANTANEOUS FORWARD CHARACTERISTICS