SECOS
Elektronische Bauelemente

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

FEATURES

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

MECHANICAL DATA

- Case：Molded plastic ITO-220A
- Epoxy：UL 94V-0 rate flame retardant
- Terminals：Solderable per MIL-STD-202 method 208
- Polarity：Color band denotes cathode
- Mounting position：Any
- Weight：2.24 grams

ITO-220A
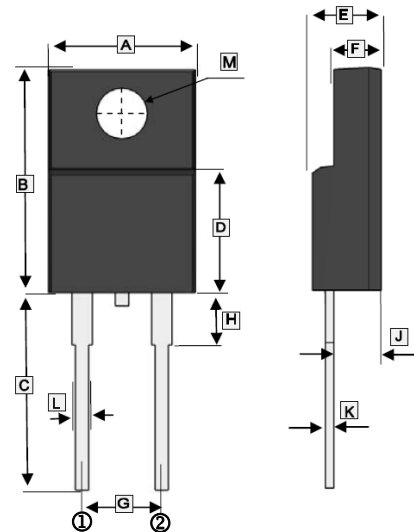
REF.	Millimeter		REF.	Millimeter	
	Min.	Max.		Min.	Max.
A	9.9	10.1	G	5.10 BSC	
B	14.8	15.5	H	3.45	3.75
C	13.0	13.8	J	2.5	2.9
D	8.4	8.6	K	0.6 BSC	
E	4.2	4.8	L	0.30	0.90
F	2.9	3.3	M	φ 2.9	φ 3.5
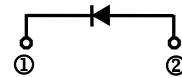
MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

(Rating at 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}	200	V
Working Peak Reverse Voltage		V_{RSM}	200	V
Maximum DC Blocking Voltage		V_{DC}	200	V
Maximum Average Forward Rectified Current		I_F	10	A
Peak Forward Surge Current, 8.3 ms single half sine-wave superimposed on rated load (JEDEC method)		I_{FSM}	180	A
Maximum Instantaneous Forward Voltage	I_F=10A, T_A=25°C	V_F	0.95	V
	I_F=10A, T_A=125°C		0.8	
Maximum DC Reverse Current at Rated DC Blocking Voltage	T_A=25°C	I_R	0.02	mA
	T_A=125°C		9	
Typical Junction Capacitance [1]		C_J	350	pF
Typical Thermal Resistance [2]		$R_{\theta JC}$	4	°C / W
Voltage Rate Of Chance (Rated V_R)		dv / dt	10000	V / μs
Operating Temperature Range T_J		T_J	-50~150	°C
Storage Temperature Range T_{STG}		T_{STG}	-65~175	°C

Notes：
1. Measured at 1.0 MHz and applied reverse voltage of 5.0 Volts DC.
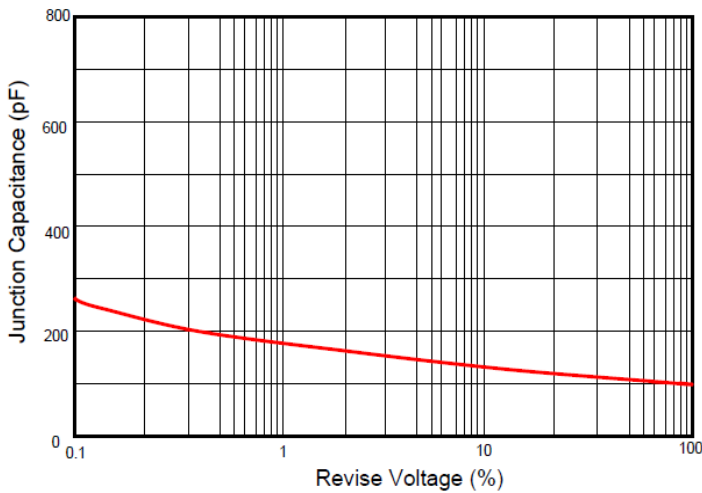2. Thermal Resistance junction to case.

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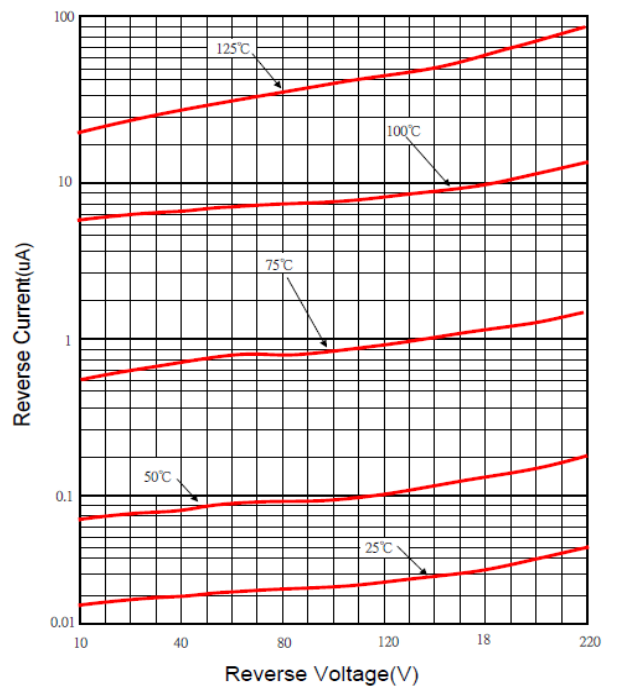# RATINGS AND CHARACTERISTICS CURVE

Typical Forward Current Derating Curve
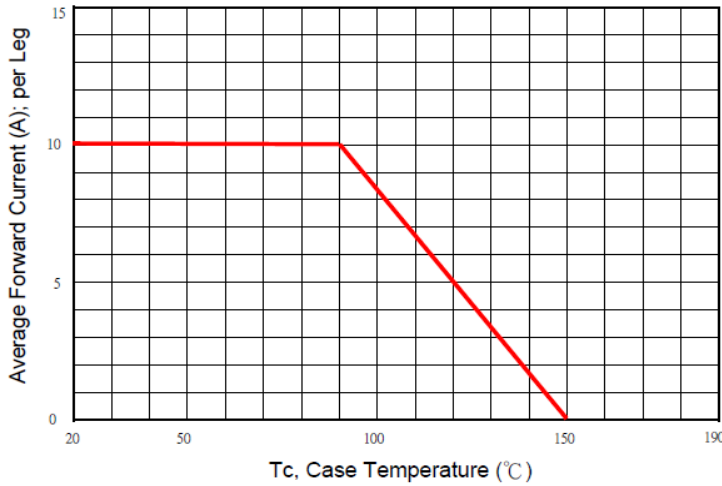
Typical Forward Characteristic

Typical Junction Capacitance
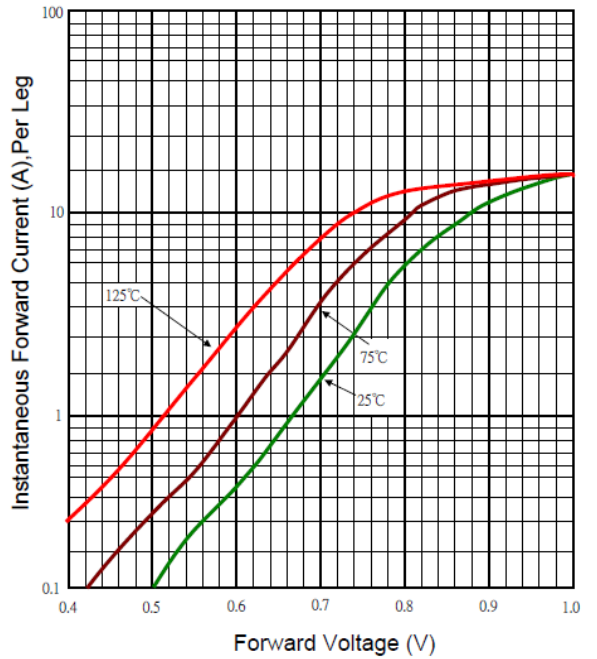
Maximum Non- Repetitive Forward Surge Current

Typical Reverse Characteristic