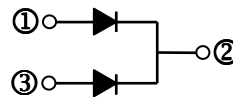
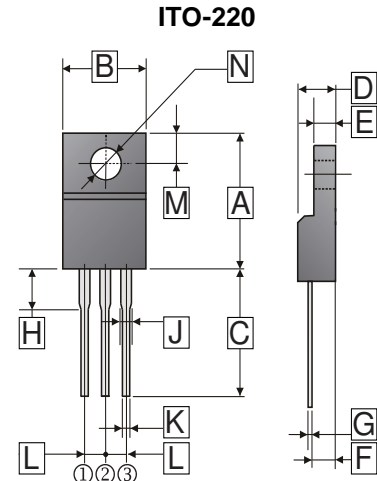


RoHS Compliant Product
A suffix of "-C" specifies halogen free

FEATURES

- High Surge Capacity
- 150°C Operating Junction Temperature
- Low Power Loss, High Efficiency
- High-Switching Speed 60 Nanosecond Recovery Time
- Low Forward Voltage, High Current Capability
- Low Stored Charge Majority Carrier Conduction
- Plastic Material Used Carries Underwriters Laboratory Flammability Classification 94V-0



REF.	Millimeter		REF.	Millimeter	
	Min.	Max.		Min.	Max.
A	14.60	15.70	H	2.70	3.80
B	9.50	10.50	J	0.90	1.50
C	12.60	14.00	K	0.50	0.90
D	4.30	4.70	L	2.34	2.74
E	2.30	3.2	M	2.40	3.00
F	2.30	2.80	N	φ 3.0	φ 3.4
G	0.30	0.70			

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

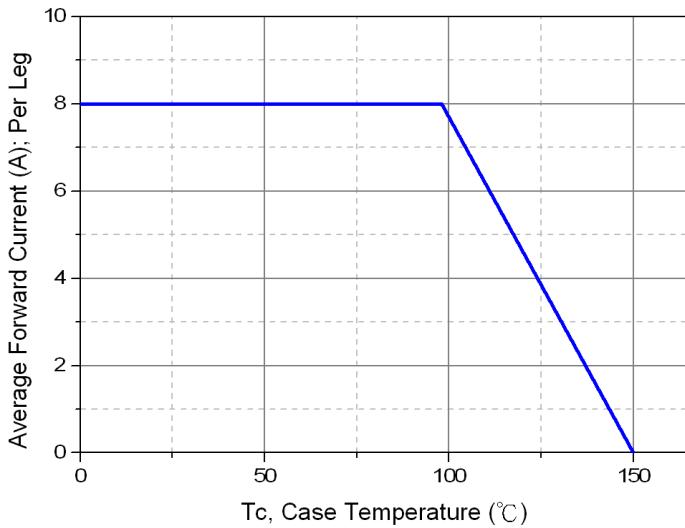
Parameter	Symbol	Ratings	Unit
Peak Repetitive Reverse Voltage	V_{RRM}	600	V
Working Peak Reverse Voltage	V_{RWM}	600	V
DC Blocking Voltage	V_R	480	V
Average Rectifier Forward Current	$I_{F(AV)}$	16	A
Non-Repetitive Peak Surge Current ¹	I_{FSM}	120	A
Maximum Instantaneous Forward Voltage @ $I_F=8A$	V_F	1.6	V
Maximum Instantaneous Reverse Current	$T_C=25^\circ C$	5	μA
	$T_C=100^\circ C$	500	
Reverse Recovery Time ²	T_{RR}	50	nS
Typical Junction Capacitance ³	C_P	70	pF
Thermal Resistance	$R_{\theta JC}$	4	$^\circ C / W$
Operating Junction and Storage Temperature Range	T_J, T_{STG}	-65 ~ 150	$^\circ C$

Note:

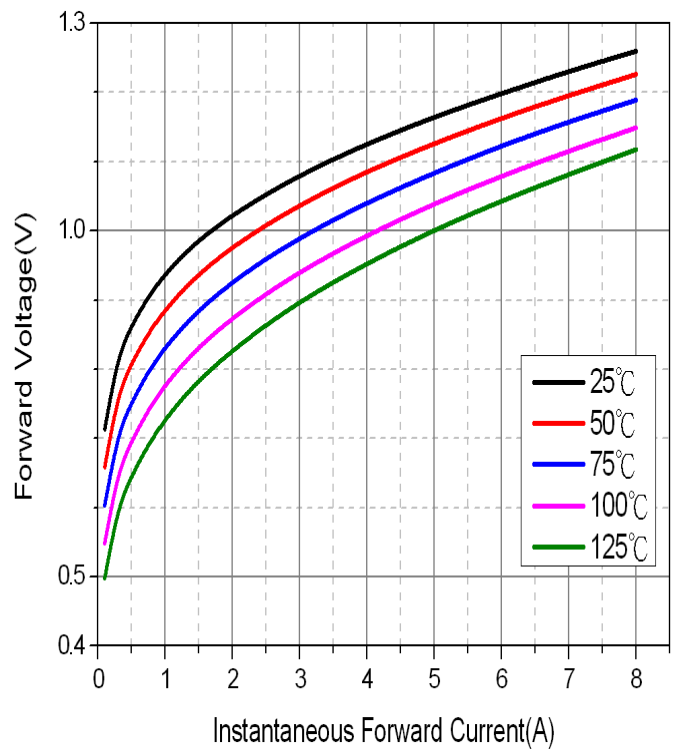
1. Surge applied at rate load conditions half-wave, single phase, 60Hz.
2. $I_F = 0.5A, V_R = 30V, dI_F / dt = 100 A / \mu s$.
3. Reverse Voltage of 4V, $f=1MHz$.

RATINGS AND CHARACTERISTIC CURVES

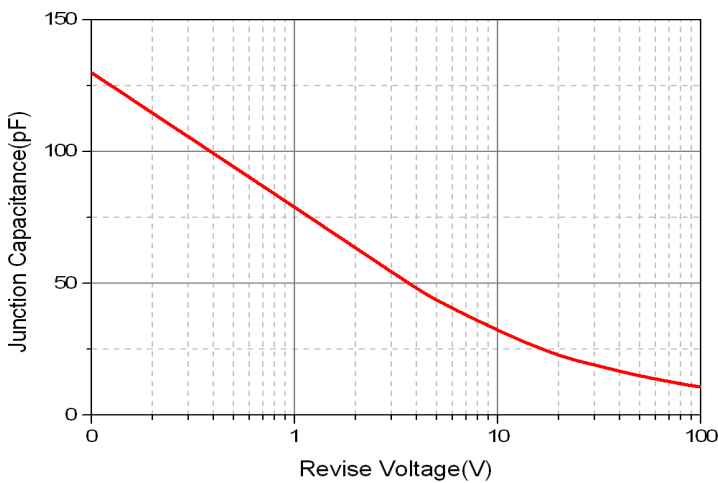
Typical Forward Current Derating Curve



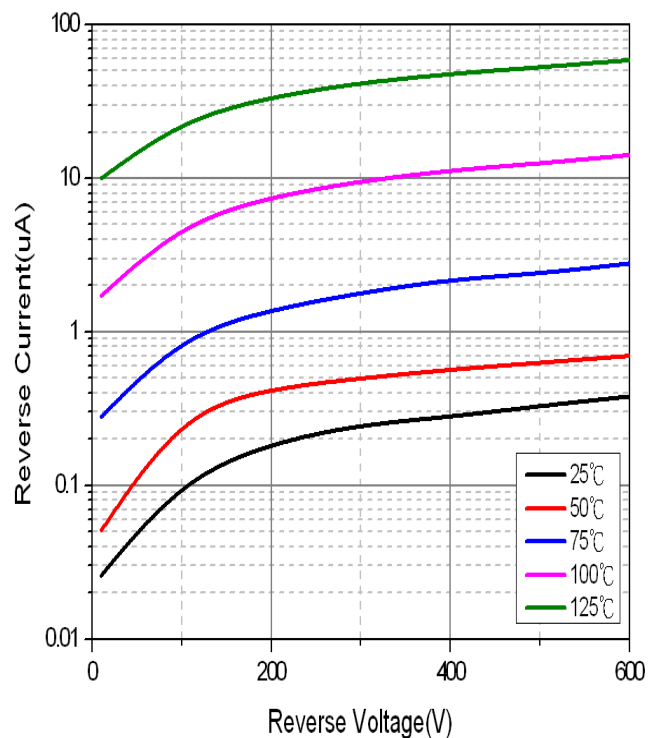
Typical Forward Characteristic



Typical Junction Capacitance



Typical Reverse Characteristic



Maximum Non- Repetitive Forward Surge Current

