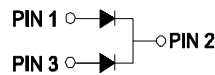
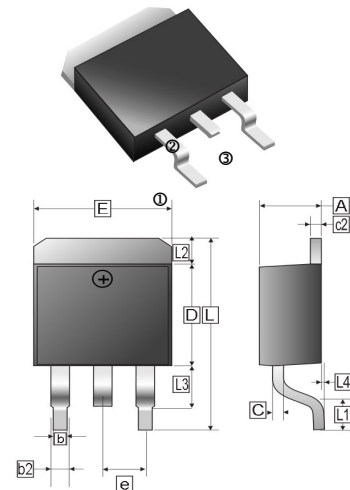


RoHS Compliant Product
A suffix of "-C" specifies halogen & lead-free

FEATURES

- Low forward voltage drop
- High current capability
- High reliability
- High surge current capability

TO-263(D²-PACK)



REF.	Millimeter		REF.	Millimeter	
	Min.	Max.		Min.	Max.
A	4.00	4.87	c2	1.07	1.65
b	0.51	1.01	b2	1.34	REF
L4	0.00	0.30	D	8.0	9.65
C	0.30	0.74	e	2.54	REF
L3	1.50	REF	L	14.6	16.1
L1	2.5	REF	L2	1.27	REF
E	9.60	10.67			

MAXIMUM RATINGS

(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 Rectified Current@ see Figure. 1	I_F	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 @ 5A per leg	V_F	0.92	V
Maximum Reverse Current at Rated VRRM Per Diode	$T_J=25^{\circ}C$	0.02	mA
	$T_J=100^{\circ}C$	20	
Typical Thermal Resistance from Junction to Case	$R_{\theta JC}$	3	$^{\circ}C / W$
Operating Junction and Storage Temperature	T_J, T_{STG}	-55~175	$^{\circ}C$

RATINGS AND CHARACTERISTIC CURVES

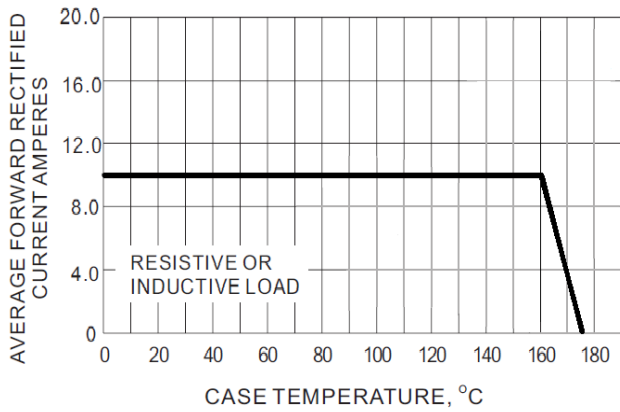


Fig.1- FORWARD CURRENT DERATING CURVE

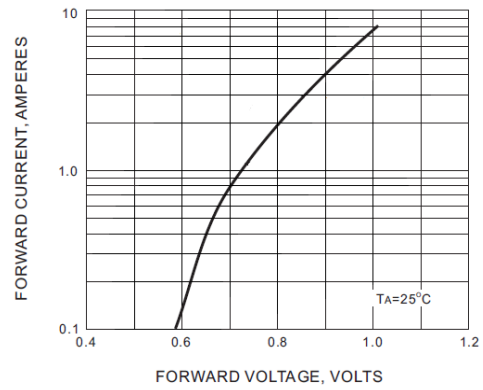


Fig.2- TYPICAL INSTANTANEOUS FORWARD CHARACTERISTIC

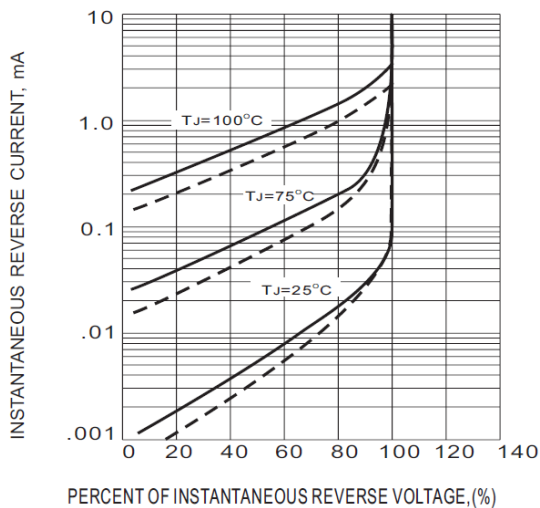


Fig.3- TYPICAL REVERSE CHARACTERISTICS