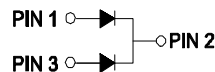
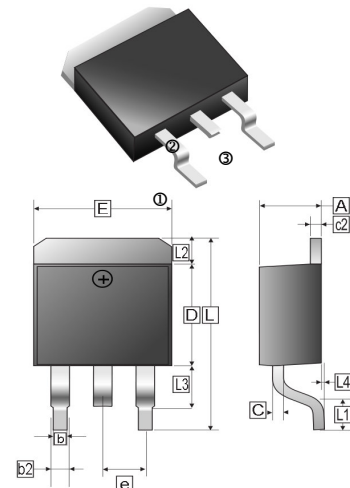


RoHS Compliant Product
A suffix of "-C" specifies halogen & lead-free

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}	100	V
Maximum RMS Voltage		V_{RMS}	70	V
Maximum DC Blocking Voltage		V_{DC}	100	V
Maximum Average Forward Rectified Current@ see Figure. 1		I_F	20	A
Peak Forward Surge Current@ 8.3 ms single half sine-wave superimposed on rated load (JEDEC method)		I_{FSM}	150	A
Maximum Instantaneous Forward Voltage@ 10A per leg		V_F	0.85	V
Maximum Reverse Current at Rated VRRM Per Diode	$T_J=25^{\circ}\text{C}$	I_R	0.02	mA
	$T_J=125^{\circ}\text{C}$		20	
Typical Thermal Resistance from Junction to Case		$R_{\theta JC}$	3	$^{\circ}\text{C} / \text{W}$
Operating Junction and Storage Temperature		T_J, T_{STG}	-55~150	$^{\circ}\text{C}$

RATINGS AND CHARACTERISTIC CURVES

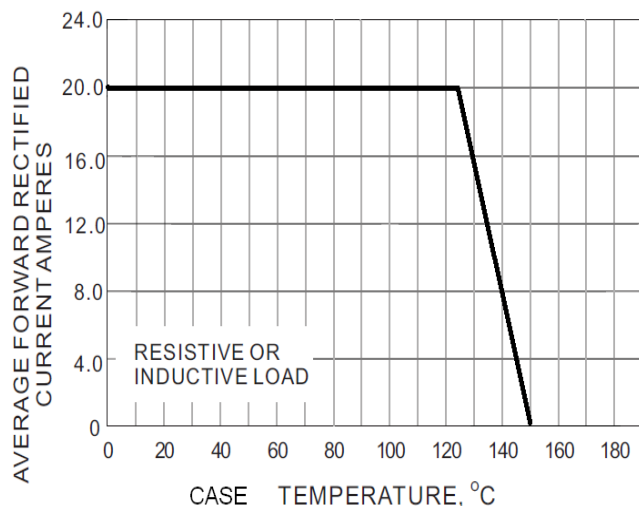


Fig.1- FORWARD CURRENT DERATING CURVE

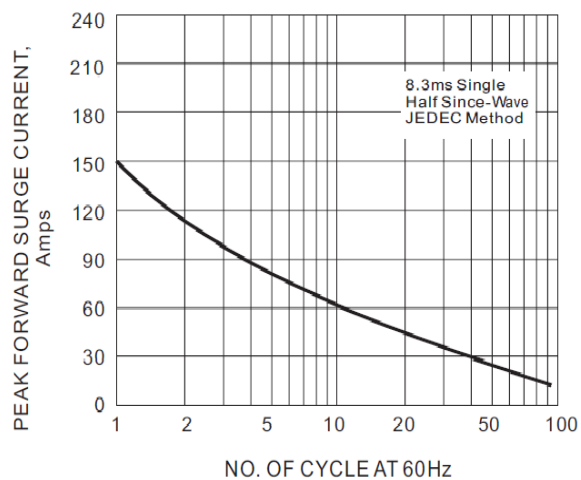


Fig.2- MAXIMUM NON - REPETITIVE SURGE CURRENT

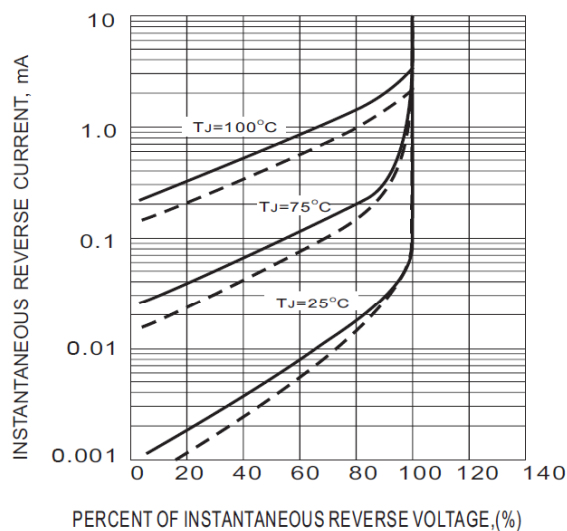


Fig.3- TYPICAL REVERSE CHARACTERISTICS

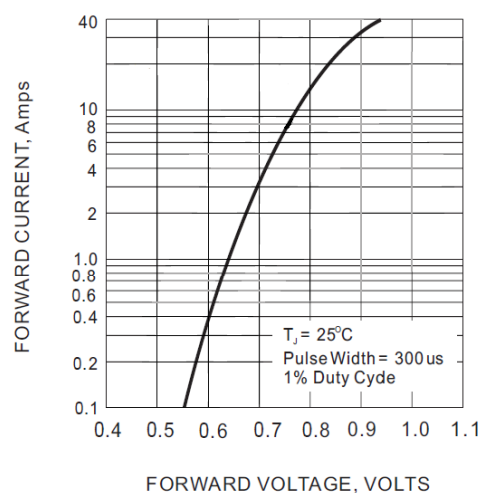


Fig.4- TYPICAL INSTANTANEOUS FORWARD CHARACTERISTICS