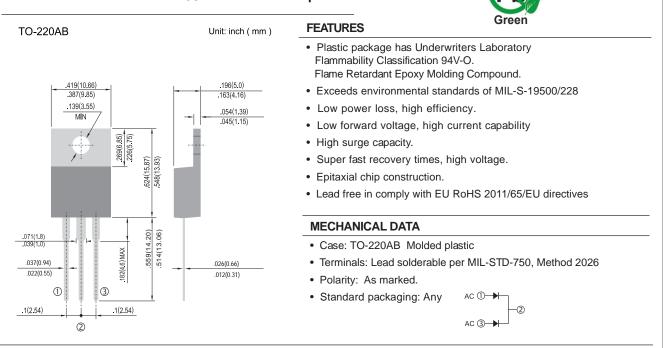
ER2000CT~ER2006CT

ISOLATION SUPERFAST RECOVERY RECTIFIER

VOLTAGE 50 to 600 Volts CURRENT 20.0 Amperes



MAXIMUM RATING AND ELECTRICAL CHARACTERISTICSS

Ratings at 25°C ambient temperature unless otherwise specified. Single phase, half wave, 60 Hz, resistive or inductive load.

For capacitive load, derate current by 20%

PARAMETER	SYMBOL	ER2000CT	ER2001CT	ER2001ACT	ER2002CT	ER2003CT	ER2004CT	ER2006CT	UNITS
Maximum Recurrent Peak Reverse Voltage	V _{RRM}	50	100	150	200	300	400	600	V
Maximum RMS Voltage	V _{RMS}	35	70	105	140	210	280	420	V
Maximum DC Blocking Voltage	V _{DC}	50	100	150	200	300	400	600	V
Maximum Average Forward Current at T _c =90°C	I _{F(AV)}	20							A
Peak Forward Surge Current : 8.3ms single half sine-wave superimposed on rated load (JEDEC method)	I _{FSM}	200							A
Maximum Forward Voltage at 10A	V _F	0.95 1.3 1.7					1.7	V	
$\begin{array}{llllllllllllllllllllllllllllllllllll$	l _R	5.0 500							μA
Maximum Reverse Recovery Time (Note 2)	t _{rr}	35							ns
Typical Junction Capacitance (Note 1)	C」	85							pF
Typical thermal Resistance (Note 3)	$R_{_{\! heta Jc}}$	3							°C / W
Operating Junction and Storage Temperature Range	T_,T _{stg}	-55 to +150							°C

NOTES:

- 1. Measured at 1 MHz and applied reverse voltage of 4.0 VDC.
- 2. Reverse Recovery Test Conditions: IF=.5A, IR=1A, Irr=.25A.

3. Both Bonding and Chip structure are available.

