

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Cathode

Anode

Ratings at 25°C ambient temperature unless otherwise specified. Resistive or inductive load, 60Hz.

PARAMETER	SYMBOL	ER300	ER301	ER301A	ER302	ER303	ER304	ER306	ER306A	ER308	UNITS
Maximum Recurrent Peak Reverse Voltage		50	100	150	200	300	400	600	700	800	v
Maximum RMS Voltage	V _{rms}	35	70	105	140	210	280	420	490	560	v
Maximum DC Blocking Voltage	V _{DC}	50	100	150	200	300	400	600	700	800	v
Maximum Average Forward Current 0.375"(9.5mm) lead length at T _A =55°C	I _{F(AV)}	3								А	
Peak Forward Surge Current : 8.3ms single half sine- wave superimposed on rated load	I _{fsm}	125								A	
Maximum Forward Voltage at 3A DC	V _F	0.95			1.25 1.7		2	2.5	v		
Maximum DC Reverse Current at Rated DC T_=25°C Blocking Voltage T_=125°C	I _R	1 300						μA			
Maximum Reverse Recovery Time (Note 1)	t _{rr}	35						ns			
Typical Junction Capacitance (Note 2)	C」	35							рF		
Typical Junction Resistance (Note 3)	R _{eja}	20						°C / W			
Operating and Storage Temperature Range	T , T _{stg}	-55 to +150					°C				

NOTES:1. Reverse Recovery Test Conditions: I_F=0.5A, I_R=-1A, I_{rr}=-0.25A

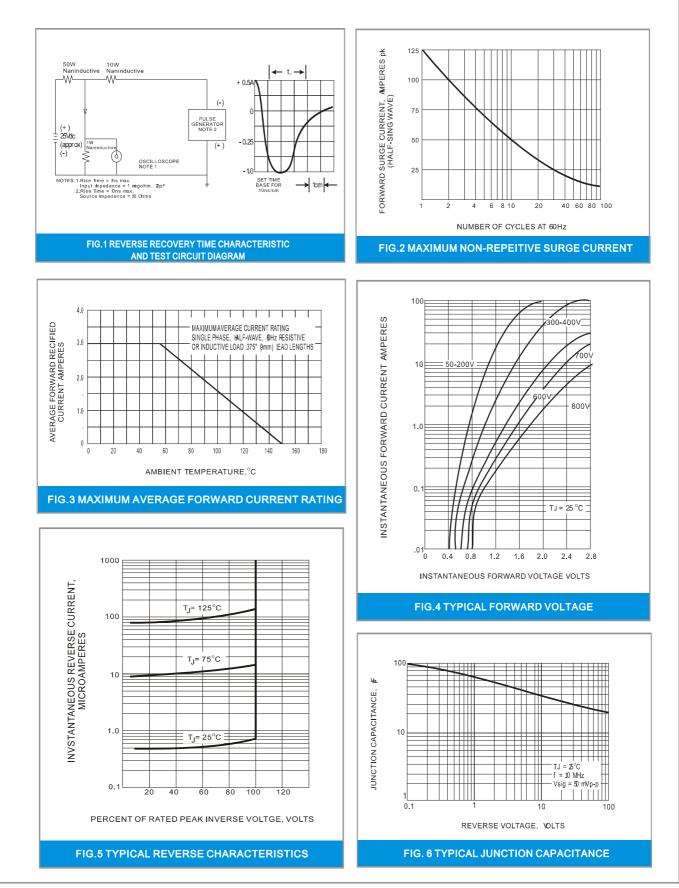
2. Measured at 1 MHz and applied reverse voltage of 4 VDC $\,$

3. Thermal resistance from junction to ambient and from junction to lead length 0.375"(9.5mm) P.C.B. mounted



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RATING AND CHARACTERISTIC CURVES







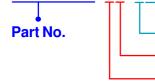
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Part No_packing code_Version

ER300_AY_00001 ER300_AY_10001 ER300_B0_00001 ER300_B0_10001 ER300_R2_00001 ER300_R2_10001

For example :

RB500V-40_R2_00001



Version code means HF Packing size code means 13"

- Packing type means T/R

Serial number

-

Packing Code XX					Version Code XXXXX				
Packing type	1 st Code	Packing size code	2 nd Code	HF or RoHS	1 st Code	2 nd ~5 th Code			
Tape and Ammunition Box (T/B)	A	N/A	0	HF	HF 0 serial				
Tape and Reel (T/R)	R	7"	1	RoHS	1	serial number			
Bulk Packing (B/P)	В	13"	2						
Tube Packing (T/P)	т	26mm	X						
Tape and Reel (Right Oriented) (TRR)	S	52mm	Y						
Tape and Reel (Left Oriented) (TRL)	L	PANASERT T/B CATHODE UP (PBCU)	U						
FORMING	F	PANASERT T/B CATHODE DOWN (PBCD)	D						



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