
Features

Mechanical Data

- Weight: 0.3 grams (approx.)
- Vibration Proof: 5 G

Maximum Ratings and Electrical Characteristics @ $T_A = 25^\circ\text{C}$ unless otherwise specified

Items	Conditions	Symbols	Ratings	Units
Repetitive peak reverse voltage		V_{RRM}	18	KV peak
Non-repetitive peak forward current	50Hz Sine-half wave peak value	I_{FSM}	0.5	A peak
Average forward current	50Hz Sine-wave	I_{AV}	5	mA
Allowable junction temperature		T_j	120	$^\circ\text{C}$
Storage Temperature range		T_{stg}	-40—120	$^\circ\text{C}$
Allowable operating case temperature		T_c	100	$^\circ\text{C}$
Maximum forward voltage drop	1F=10mA	V_F	66	V
Maximum reverse current	VR=18KV	I_{R1}	2	μA
Maximum reverse current	VR=18KV, 100°C	I_{R2}	5	μA
Maximum reverse recovery time	1F=2mA, 1R=4mA	T_{rr}	0.08	μs
Maximum junction capacitance	F=1MHz, VR=0V	C_j	1	PF

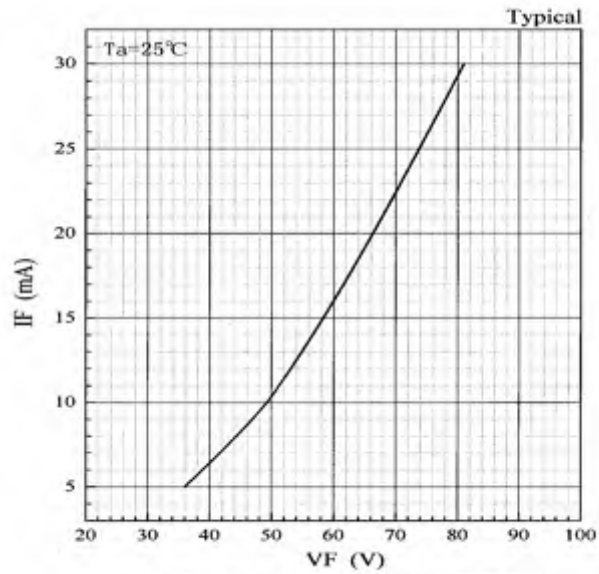


Fig.1 Forward characteristic[VF-IF]

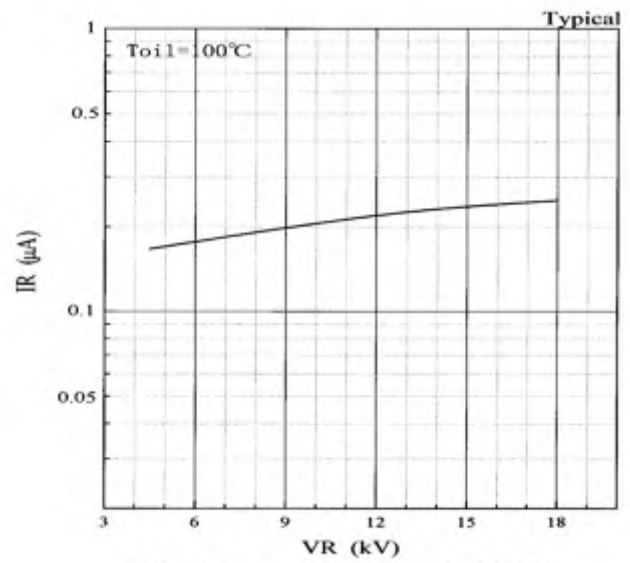


Fig.2 Reverse characteristic[VR-IR]

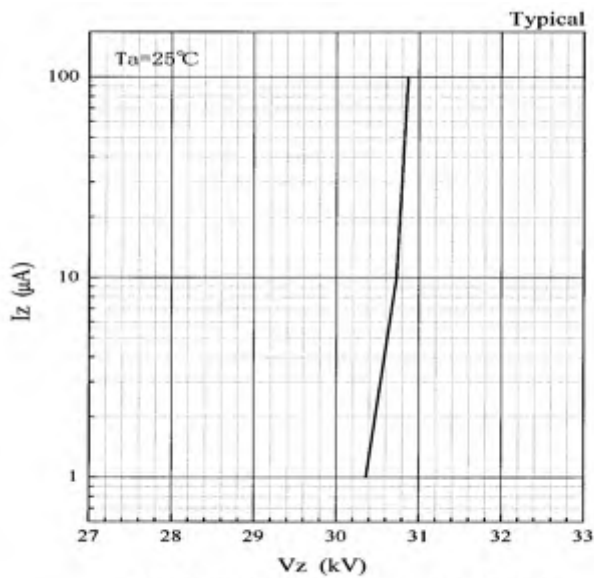


Fig.3 Avalanche characteristic[VZ-IZ]

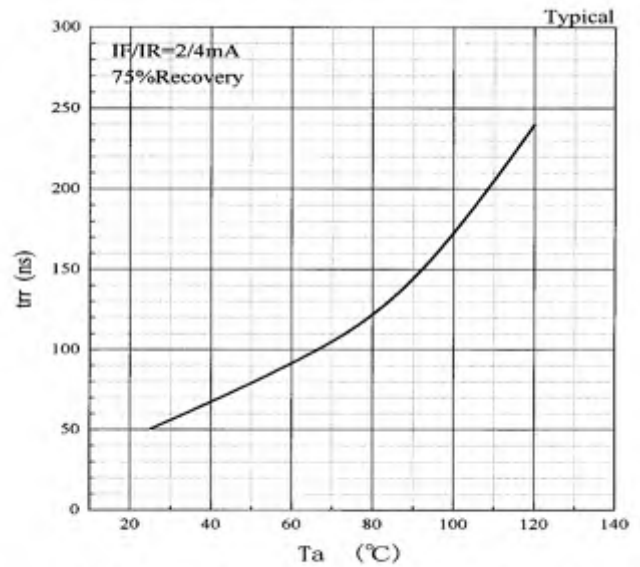


Fig.4 Reverse recovery time characteristic[Ta-trr]