
Features

Mechanical Data

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

Maximum Ratings and Electrical Characteristics @ T_A = 25°C unless otherwise specified

Items	Conditions	Symbols	Ratings	Units
Repetitive peak reverse voltage		V _{RRM}	12	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	°C
Storage Temperature range		T _{stg}	-40—120	°C
Allowable operating case temperature		T _c	100	°C
Maximum forward voltage drop	1F=10mA	V _F	45	V
Maximum reverse current	VR=12KV	I _{R1}	2	uA
Maximum reverse current	VR=12KV, 100°C	I _{R2}	5	uA
Maximum reverse recovery time	1F=2mA, 1R=4mA	T _{rr}	0.08	uS
Maximum junction capacitance	F=1MHz, VR=0V	C _j	2	PF

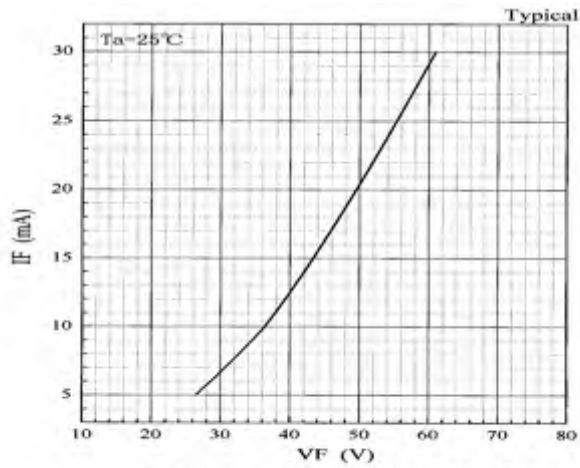


Fig. 1 Forward characteristic [VF-IF]

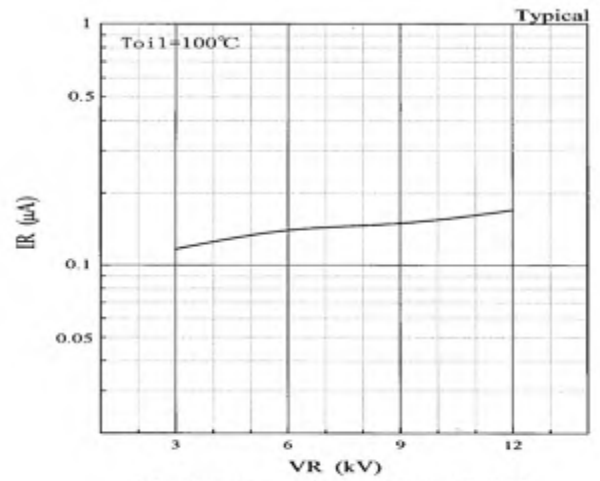


Fig. 2 Reverse characteristic [VR-IR]

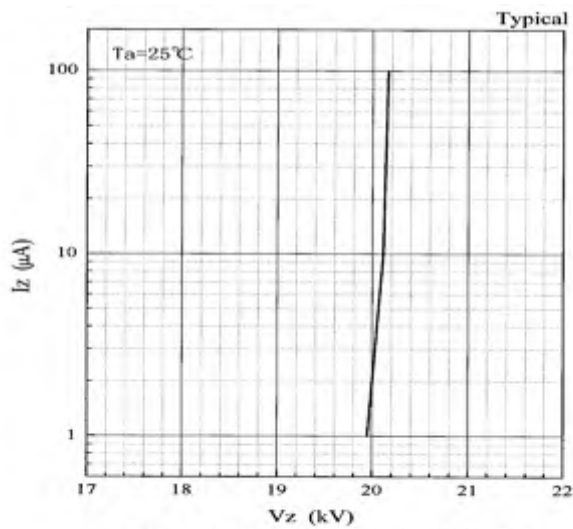


Fig. 3 Avalanche characteristic [Vz-Iz]

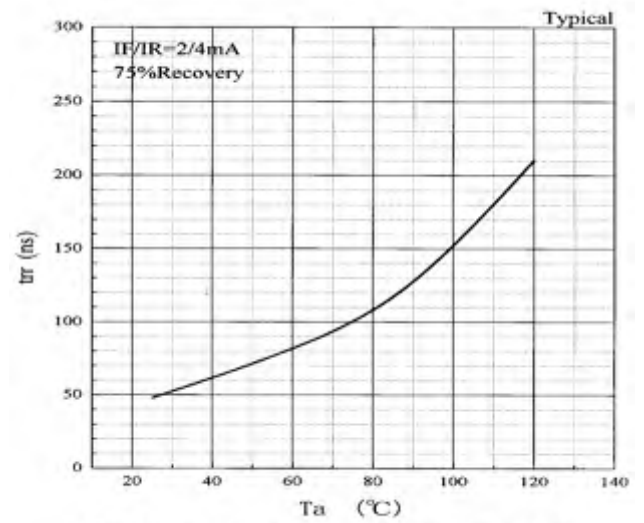


Fig. 4 Reverse recovery time characteristic [Ta-trr]