

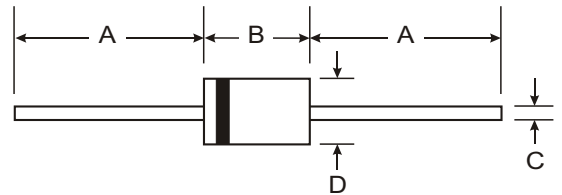
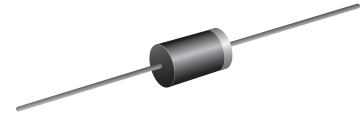
VOLTAGE RANGE: 3000V
CURRENT: 0.3 A

Features

- High voltage
- High current capability
- Low leakage current
- High surge capability
- Low cost

Mechanical Data

- Case: D O - 4 1 Molded Plastic
- Terminals: Plated Leads Solderable per MIL-STD-202, Method 208
- Polarity: Cathode Band
- Weight: 0.34 grams (approx.)
- Mounting Position: Any
- Marking: Type Number



DO-41		
Dim	Min	Max
A	25.40	—
B	4.06	5.21
C	0.71	0.864
D	2.00	2.72
All Dimensions in mm		

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

Characteristic	Conditions	Symbols	ESJA04-03A	Unit
Repetitive peak reverse voltage		V _{RRM}	3	KV peak
Non-repetitive peak forward current	50Hz Sine-half wave peak value	I _{FSM}	0.3	A peak
Average forward current	50Hz Sine-wave	I _{AV}	1	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	12	V
Maximum reverse current	V _R =12KV	I _{R1}	2	uA
Maximum reverse current	V _R =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, V _R =0V	C _j	3	PF

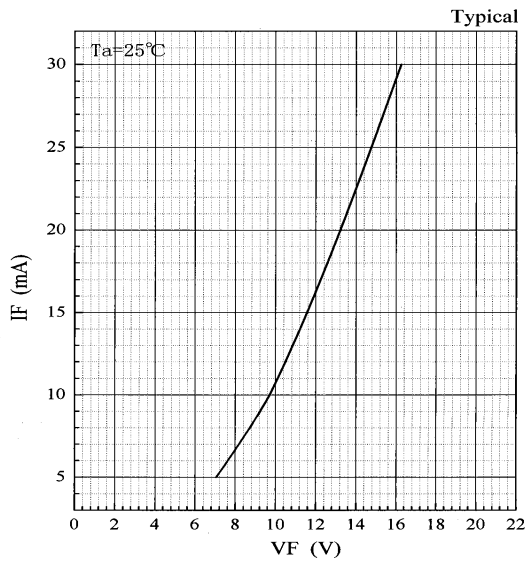


Fig. 1 Forward characteristic [VF-IF]

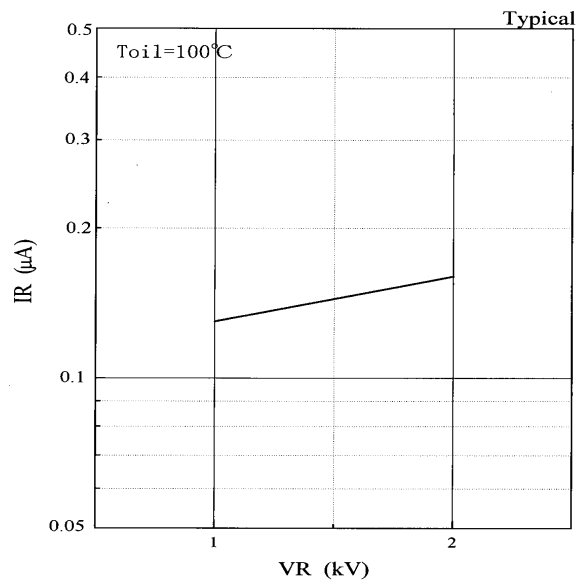


Fig. 2 Reverse characteristic [VR-IR]

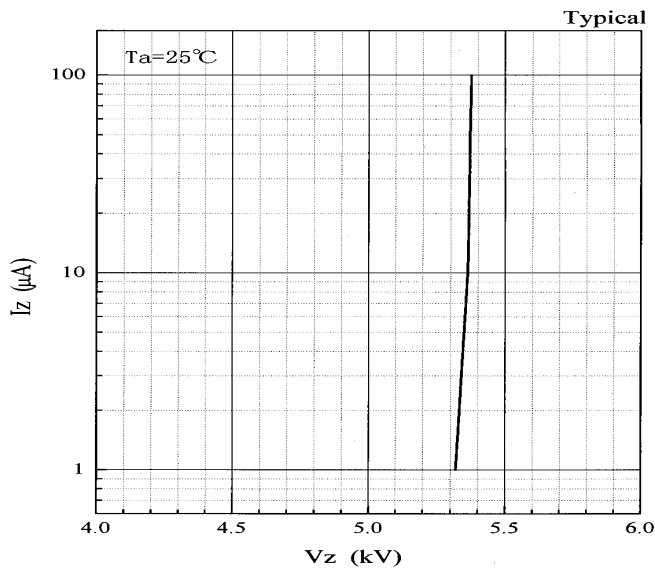


Fig. 3 Avalanche characteristic [Vz-Iz]

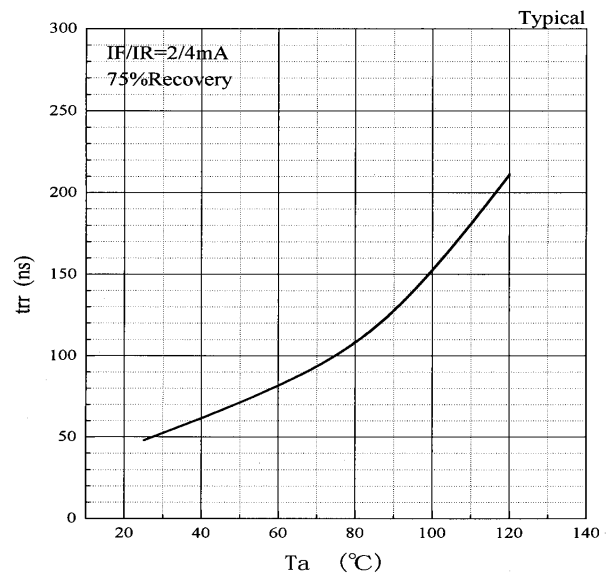


Fig. 4 Reverse recovery time characteristic [Ta-trr]