

Features

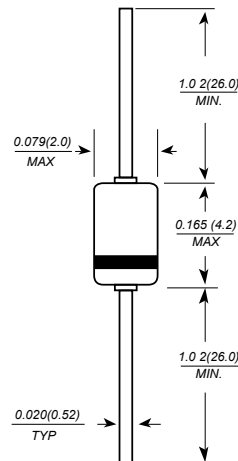
- High reverse voltage. ($V_R = 250\text{ V}$)
- High reliability with glass seal.

Mechanical Data

- Case: DO-35, glass case
- Polarity: Color band denotes cathode
- Weight: 0.004 ounces, 0.13 grams



DO-35(GLASS)



Dimensions in millimeters

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

Characteristic	Symbol	Value	Unit
Peak reverse voltage	V_{RM}^{*1}	300	V
Reverse voltage	V_R	250	V
Average rectified current	I_O	200	mA
Peak forward current	I_{FM}	625	mA
Non-Repetitive peak forward surge current	I_{FSM}^{*2}	1	A
Power dissipation	P_d	400	mW
Junction temperature	T_j	175	$^\circ\text{C}$
Storage temperature	T_{stg}	-65 to +175	$^\circ\text{C}$

Characteristic	Symbol	Min	Typ	Max	Unit	Test Condition
Reverse current	I_{R1}	—	—	200	nA	$V_R = 250\text{ V}$
	I_{R2}	—	—	100	μA	$V_R = 300\text{ V}$
Forward voltage	V_F	—	—	1.0	V	$I_F = 100\text{ mA}$
Capacitance	C	—	1.5	—	pF	$V_R = 0\text{ V}$, $f = 1\text{ MHz}$
Reverse recovery time	t_{rr}	—	—	100	ns	$I_F = I_R = 30\text{ mA}$, $I_{rr} = 3\text{ mA}$, $R_L = 100\ \Omega$

Notes: 1. Reverse voltage in excess of peak reverse voltage may deteriorate electrical characteristic.
2. Within 1s forward surge current.

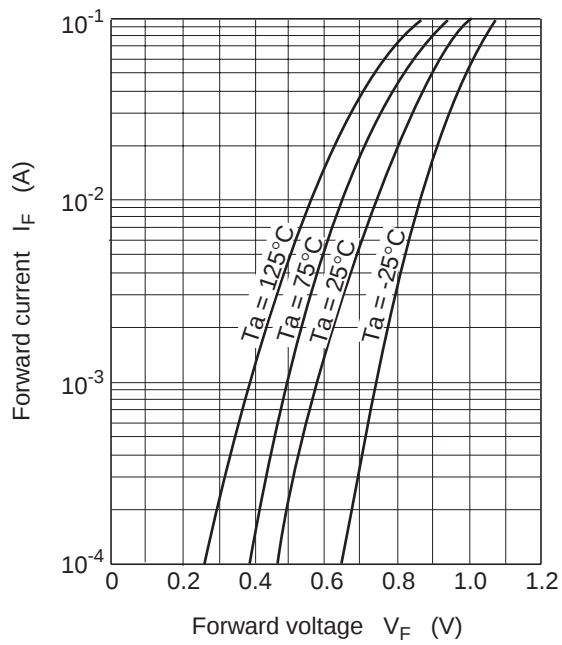


Fig.1 Forward current vs. Forward voltage

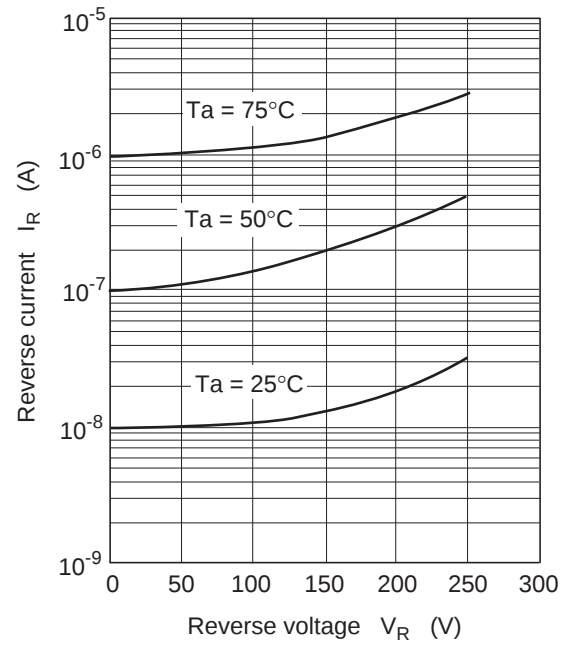


Fig.2 Reverse current vs. Reverse voltage

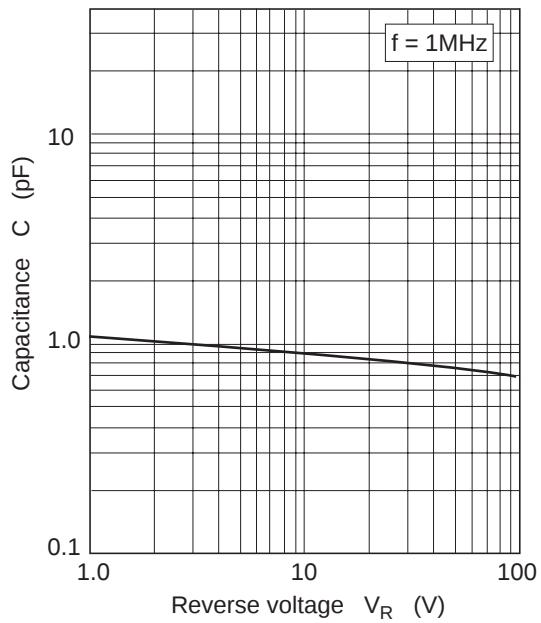


Fig.3 Capacitance vs. Reverse voltage