

Features

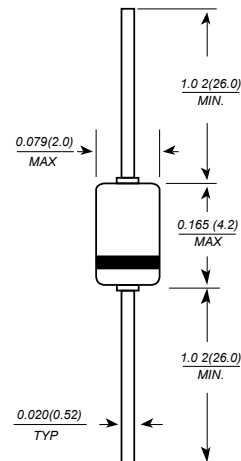
- High average forward current. ($I_O = 200\text{mA}$)
- High reliability with glass seal.

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 $T_A = 25^\circ\text{C}$ unless otherwise specified

Characteristic	Symbol	Value	Unit
Peak reverse voltage	V_{RM}	75	V
Reverse voltage	V_R	50	V
Peak forward current	I_{FM}	600	mA
Non-Repetitive peak forward surge current	I_{FSM}^*	4	A
Average forward current	I_O	200	mA
Power dissipation	P_d	500	mW
Junction temperature	T_j	175	$^\circ\text{C}$
Storage temperature	T_{stg}	-65 to +175	$^\circ\text{C}$

Note: Value at duration of $1\mu\text{s}$

Electrical Characteristics

Characteristic	Symbol	Min	Typ	Max	Unit	Test Condition
Forward voltage	V_F	—	—	1.0	V	$I_F = 10\text{mA}$
Reverse current	I_R	—	—	0.1	μA	$V_R = 50\text{V}$
Capacitance	C	—	—	3.5	pF	$V_R = 0\text{V}$, $f = 1\text{MHz}$
Reverse recovery time	t_{rr}	—	—	3.0	ns	$I_F = 10\text{mA}$, $V_R = 6\text{V}$, $I_{rr} = 0.1I_R$, $R_L = 50\Omega$

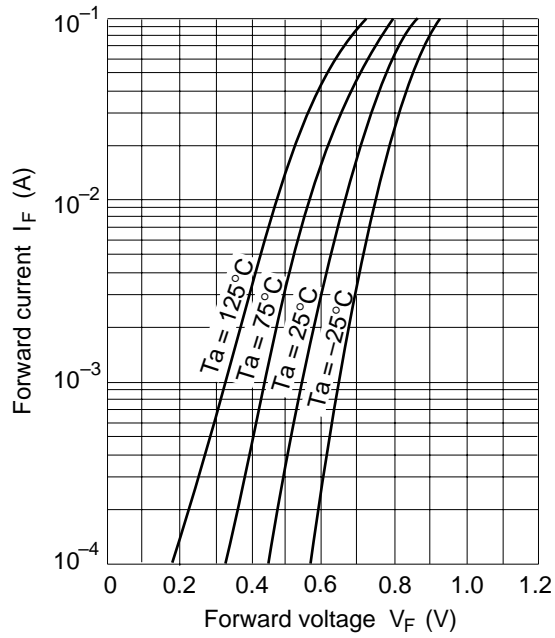


Fig.1 Forward current Vs. Forward voltage

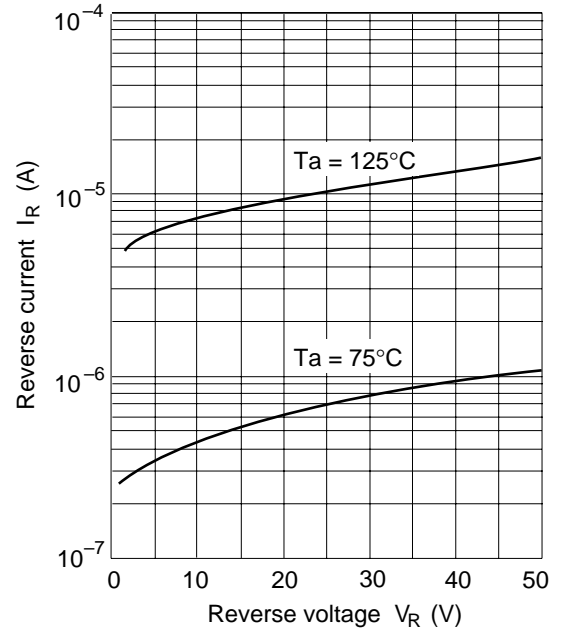


Fig.2 Reverse current Vs. Reverse voltage

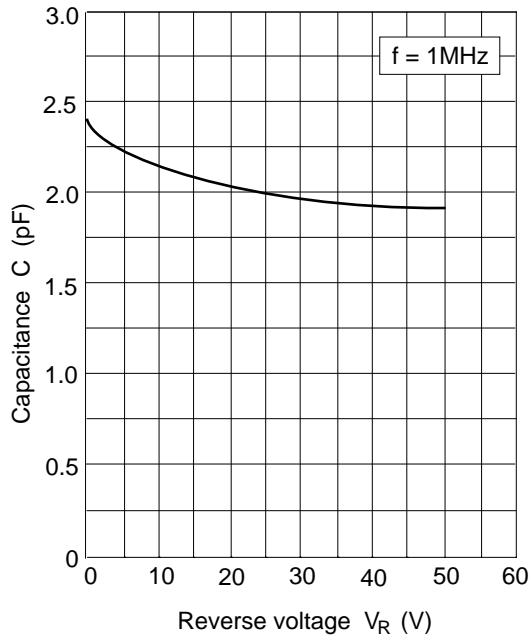


Fig.3 Capacitance Vs. Reverse voltage