


DO-35

Ordering Information		
Part No.	Package	Packing
1N4448	DO-35	5000 / Box

Mechanical Data	
Items	Materials
Package	DO-35
Case	Hermetically sealed galss
Lead/ Finish	Double stud/ Solder Plating
Chip	Glass Passivated

Absolute Maximum Ratings (Ta=25°C)			
Parameter	Symbol	Limit	Unit
Reverse Voltage	V_R	75	V
Reverse Recovery Time	T_{rr}	4	ns
Power Dissipation 3.33mW/ °C (25°C)	P	500	mW
Forward Current	I_F	500	mA
Junction Temp.	T_j	-50~150	°C
Storage Temp.	T_{stg}	-50~150	°C

Electrical Characteristics (Ta=25°C)			
Parameter	Symbol	Limit	Unit
Minimum Breakdown Voltage $I_R = 5.0\mu A$ $I_R = 100\mu A$	B_V	75 100	V
Peak Forward Surge Current PW= 1sec.	I_F surge	1	A
Maximum Forward Voltage $I_F = 100mA$	V_F	1	V
Maximum Reverse Current $V_R = 20V$ $V_R = 75V$ $V_R = 20V, T_j = 150^\circ C$	I_R	0.025 5 50	μA
Maximum Junction Capacitance $V_R = 0, f = 1 MHz$	C_j	4	pF
Maximum Reverse Recovery Time $I_F = 10mA, V_R = 6V, I_{RR} = 1mA, R_L = 100\Omega$	T_{rr}	4	nS

Rating and Characteristics Curvers

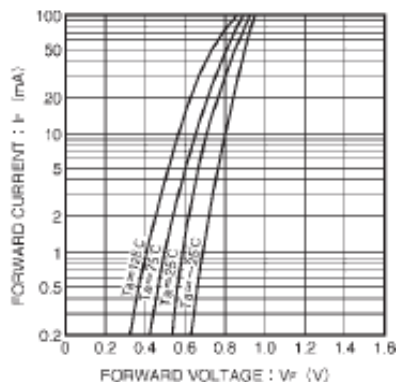


Fig. 1 Forward characteristics

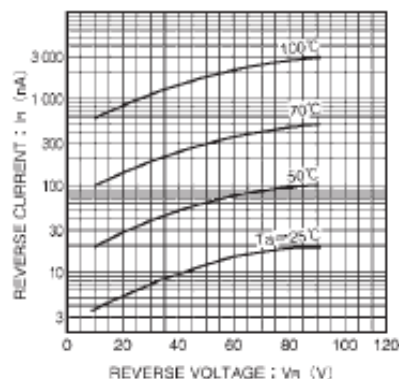


Fig. 2 Reverse characteristics

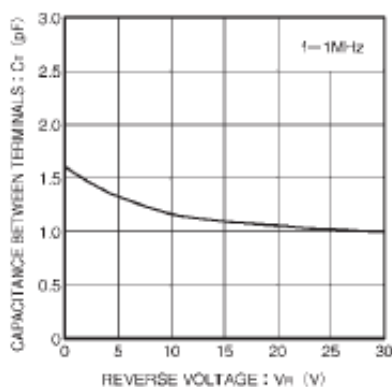


Fig. 3 Capacitance between terminals characteristics

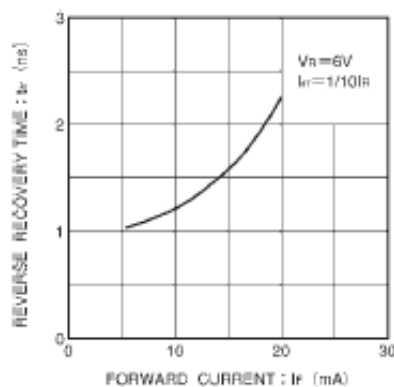


Fig. 4 Reverse recovery time characteristics

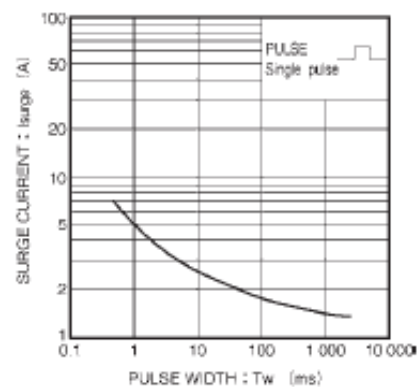


Fig. 5 Surge current characteristics

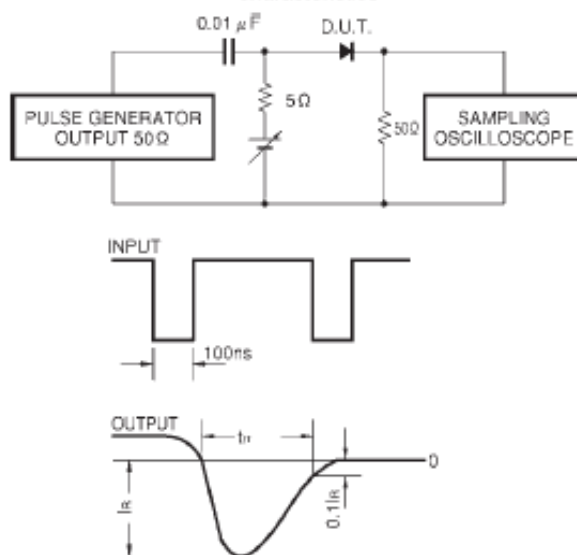
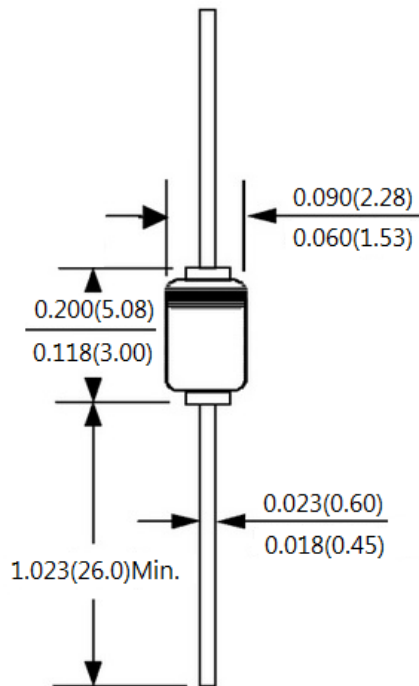


Fig. 6 Reverse recovery time (t_{rr}) measurement circuit

Package Outline Dimensions



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Dimensions in inches and (millimeters)