



1N4148WL2

150 mA
Switching Diode
100 Volts

Features

- Small surface mounting type
- Epoxy meets UL 94 V-0 flammability rating
- Moisture Sensitivity Level 1
- Lead Free Finish/RoHS Compliant ("P" Suffix designates RoHS Compliant. See ordering information)
- Marking:T4
- Halogen free available upon request by adding suffix "-HF"

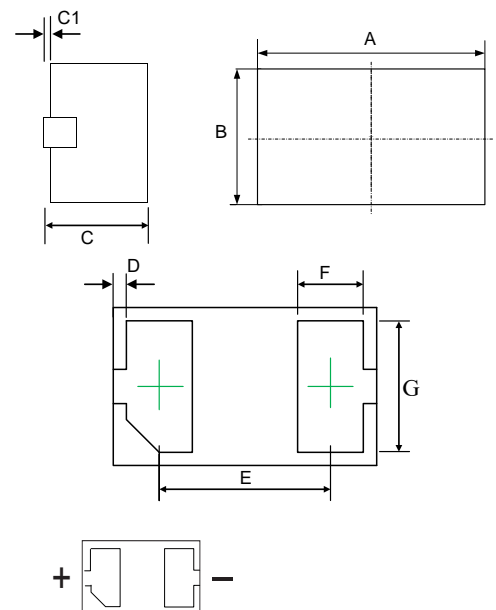
Maximum Ratings @ 25°C Unless Otherwise Specified

Peak Repetitive Reverse Voltage	V_{RM}	100	V
RMS Reverse Voltage	$V_{R(RMS)}$	71	V
Average Rectified Output Current	I_o	150	mA
Peak Forward Surge Current $t=1\mu s$	I_{FSM}	4.0	A
Power Dissipation	P_D	100	mW
Thermal Resistance	R_{JA}	1250	°C/W
Operation/Storage Temp. Range	T_j, T_{STG}	-65 to +150	°C

Electrical Characteristics @ 25°C Unless Otherwise Specified

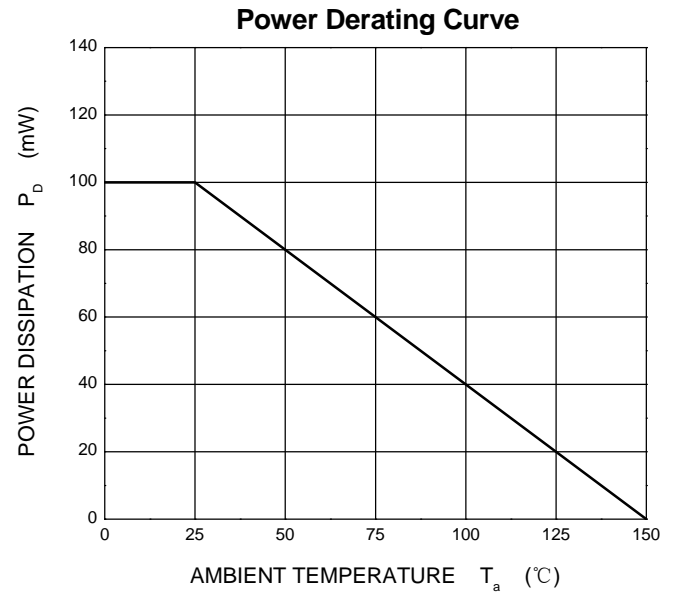
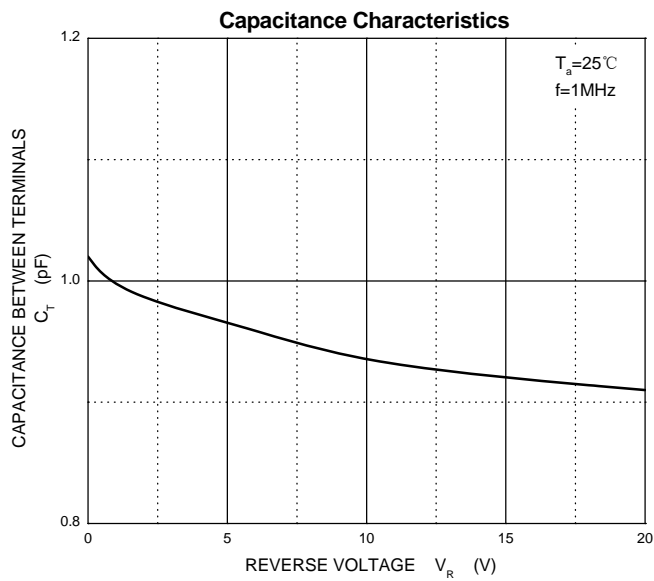
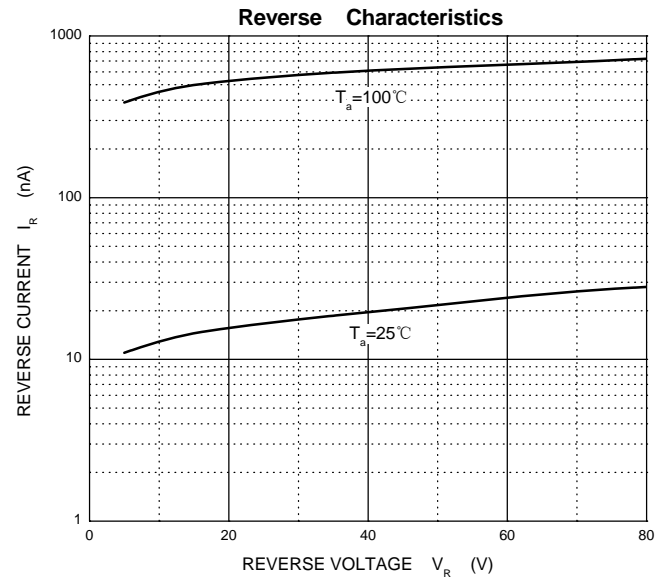
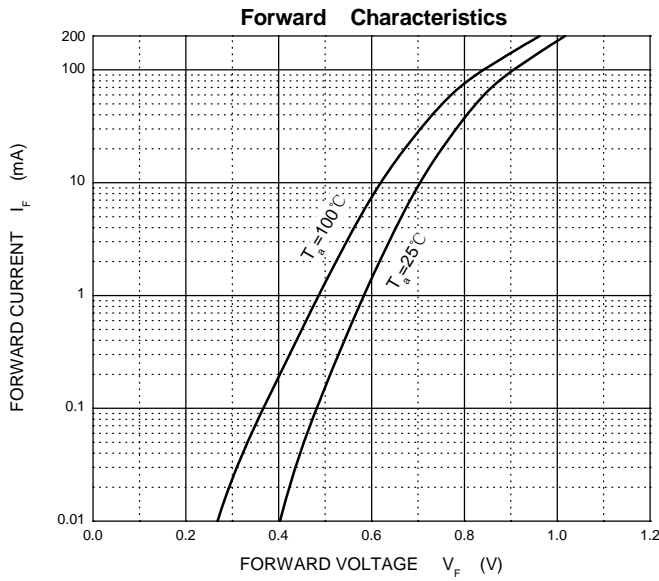
Maximum Instantaneous Forward Voltage	V_F	0.715V 0.855V 1.00V 1.25V	$I_f=1mA$ $I_f=10mA$ $I_f=50mA$ $I_f=100mA$
Maximum DC Reverse Current At Rated DC Blocking Voltage	I_R	25nA 30μA 5.0μA	$V_R=25V, T_J=25^\circ C$ $V_R=25V, T_J=150^\circ C$ $V_R=75V, T_J=25^\circ C$
Typical Junction Capacitance	C_J	1.5pF	$V_R=0V, f=1MHz$
Maximum Reverse Recovery Time	T_{rr}	4nS	$I_R=I_F=10mA$ $I_{rr}=0.1*I_R$ $R_L=100\Omega$

DFN1006-2L



DIMENSIONS					
DIM	INCHES		MM		NOTE
	MIN		MIN		
A	0.037	0.041	0.95	1.05	
B	0.022	0.026	0.55	0.65	
C	0.016	0.020	0.40	0.50	
C1	---	0.002	---	0.05	
D	0.001	0.003	0.02	0.08	
E	0.026BSC		0.65BSC		
F	0.008	0.012	0.20	0.30	
G	0.018	0.022	0.45	0.55	

Typical Characteristics



Ordering Information :

Device	Packing
Part Number-TP	Tape&Reel: 10Kpcs/Reel

Note : Adding "-HF" suffix for halogen free, eg. Part Number-TP-HF

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