

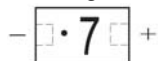


# 1N4148WLP

**150 mA**  
**Switching Diode**  
**80 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: 7
- Halogen free available upon request by adding suffix "-HF"



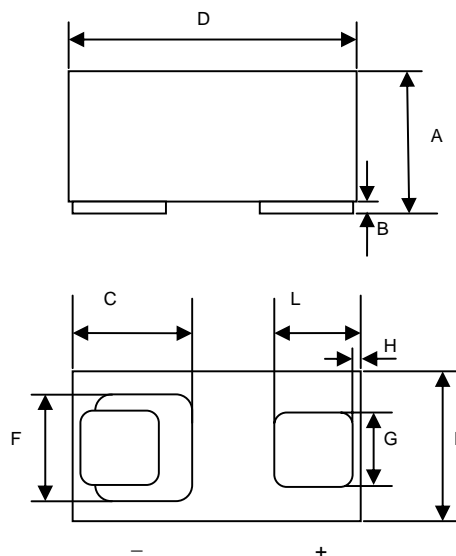
## Maximum Ratings

Symbol	Rating	Rating	Unit
$V_R$	DC Reverse Voltage	80	V
$I_O$	Average Rectified Output Current	150	mA
$I_{FSM}$	Non-Repetitive Peak Forward Surge Current @ $t=8.3ms$	2.0	A
$P_D$	Power dissipation	100	mW
$T_J$	Junction Temperature	150	°C
$T_{STG}$	Storage Temperature	-55 to +150	°C

## Electrical Characteristics @ 25°C Unless Otherwise Specified

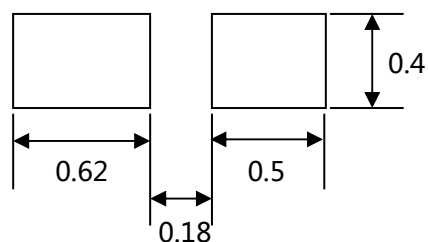
Symbol	Parameter	Min	Typ	Max	Units
$V_F$	Forward Voltage ( $I_F=100mA$ )	---	---	1.2	Vdc
$I_R$	Reverse Current ( $V_R=80V$ )	---	---	0.1	$\mu A$
$T_{rr}$	Reverse Recovery Time ( $V_R=6V, I_F=10mA, R_I=100\Omega$ )	---	---	4.0	ns

## SOD-882

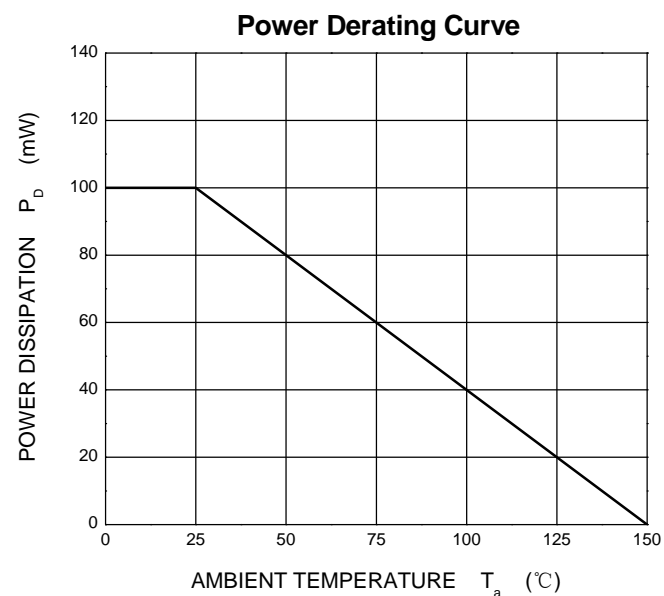
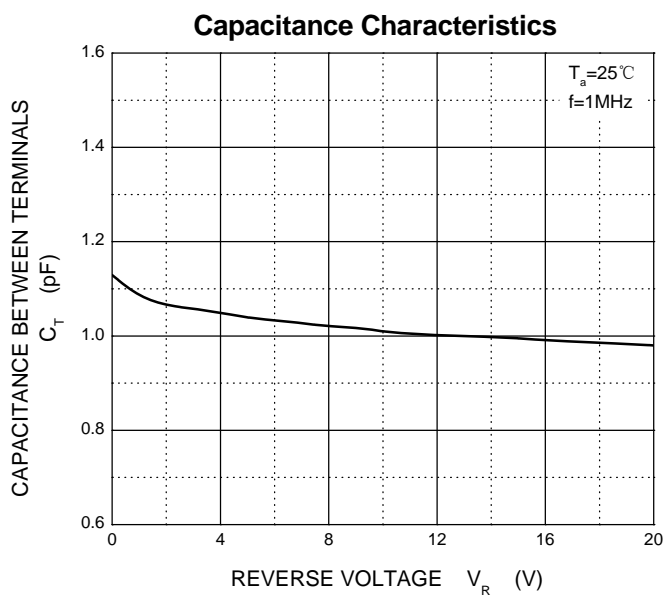
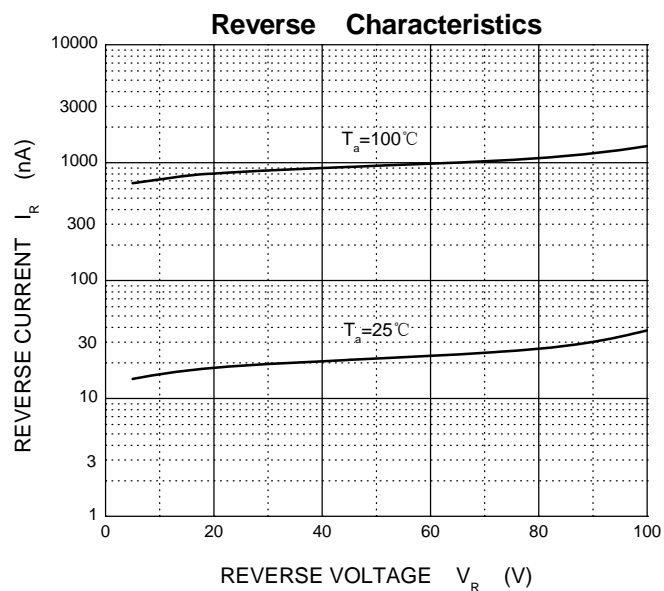
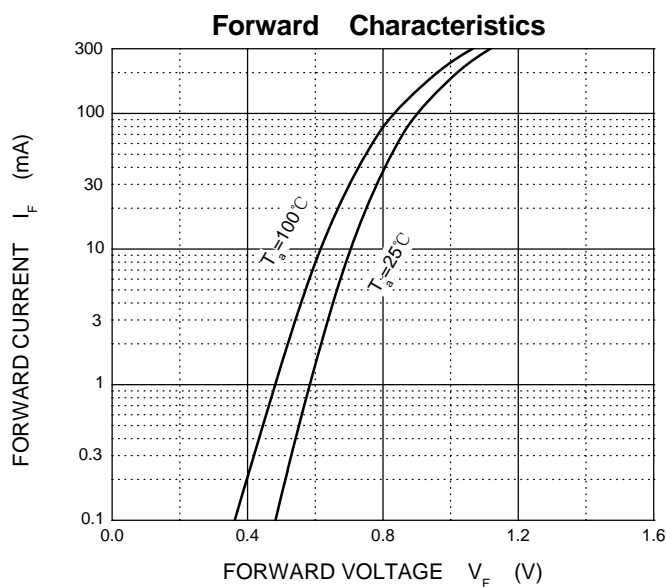


DIM	INCHES		MM		NOTE
	MIN	MAX	MIN	MAX	
A	0.018	0.022	0.45	0.55	
B	0.000	0.003	0.01	0.07	
C	0.019 REF.		0.470 REF.		
D	0.037	0.041	0.95	1.05	
E	0.022	0.026	0.55	0.65	
F	0.017 REF.		0.420 REF.		
G	0.011	0.015	0.27	0.37	
H	0.001 REF.		0.030 REF.		
L	0.013	0.017	0.34	0.44	

Suggested Solder  
Pad Layout



## 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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