

Micro Commercial Components

Micro Commercial Components 20736 Marilla Street Chatsworth CA 91311

Phone: (818) 701-4933 Fax: (818) 701-4939

## 1N4148WL2

## **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

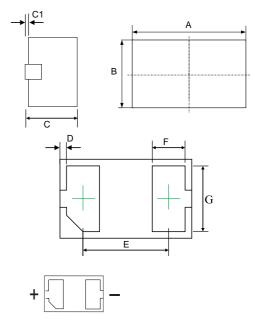
Peak Repetitive Reverse Voltage	$V_{RM}$	100	V
RMS Reverse Voltage	$V_{R(RMS)}$	71	V
Average Rectified Output Current	l <sub>o</sub>	150	mA
Peak Forward Surge Current t=1us	$I_{FSM}$	4.0	Α
Power Dissipation	$P_{D}$	100	mW
Thermal Resistance	$R_{JA}$	1250	°C/W
Operation/Storage Temp. Range	$T_{j}$ , $T_{STG}$	-65 to +150	°C

### Electrical Characteristics @ 25°C Unless Otherwise Specified

Maximum Instantaneous Forward Voltage  V		0.715V	If=1mA
	$V_{F}$	0.855V	If=10mA
		1.00V	If=50mA
		1.25V	If=100mA
Maximum DC Reverse Current At Rated DC Blocking Voltage	I <sub>R</sub>	25nA 30μA 5.0μA	V <sub>R</sub> =25V, T <sub>J</sub> =25 <sup>o</sup> C V <sub>R</sub> =25V, T <sub>J</sub> =150 <sup>o</sup> C V <sub>R</sub> =75V, T <sub>J</sub> =25 <sup>o</sup> C
Typical Junction Capacitance	CJ	1.5pF	V <sub>R</sub> =0V, f=1MHZ
Maximum Reverse Recovery Time	T <sub>rr</sub>	4nS	$I_R=I_F=10\text{mA}$ $I_{rr}=0.1^*I_R$ $R_L=100\Omega$

# 150 mA Switching Diode 100 Volts

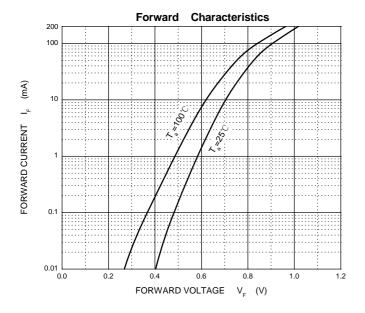
## **DFN1006-2L**

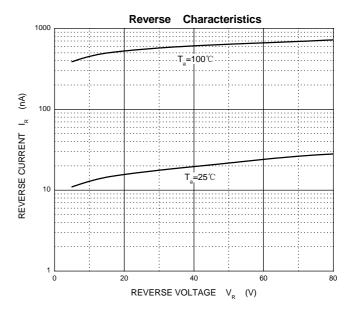


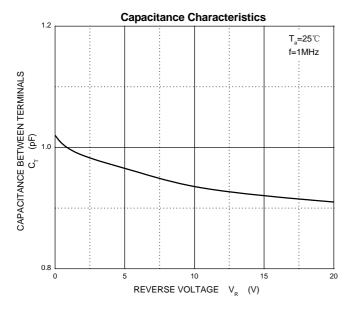
DIMENSIONS					
DIM	INCHES		MM		MOTE
	MIN		MIN		NOTE
A	0.037	0.041	0.95	1.05	
В	0.022	0.026	0.55	0.65	
C	0.016	0.020	0.40	0.50	
C1		0.002		0.05	
D	0.001	0.003	0.02	0.08	
E	0.026BSC		0.6	5BSC	
F	0.008	0.012	0.20	0.30	
G	0.018	0.022	0.45	0.55	

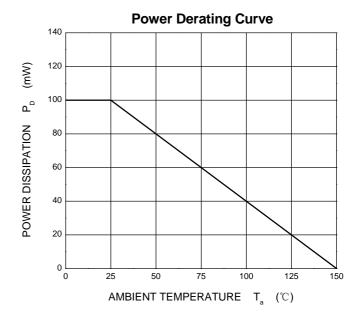


# **Typical Characteristics**











### 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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