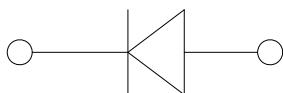
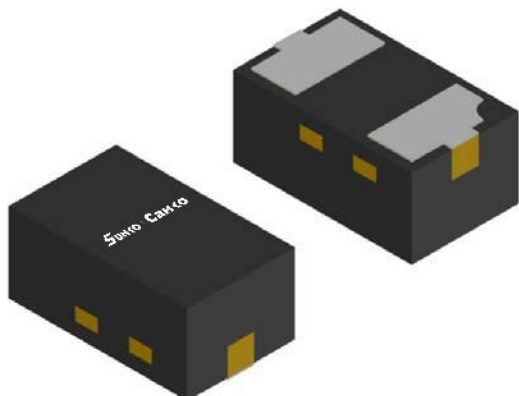


1N4148WL2

Fast Switching Diode



Features

- Low Leakage Current Applications
- Epoxy Meets UL 94 V-0 Flammability Rating
- For General Purpose Switching Applications
- High Conductance
- Lead Free Finish/
- Small package saves board space
- Moisture Sensitivity Level 3

Mechanical Data

- **Package:** DFN1006-2L
- **Terminals:** Tin plated leads, solderable per J-STD-002 and JESD22-B102
- **Polarity:** Cathode line denotes the cathode end
- **Marking:** T4

■Maximum Ratings (T_a=25°C Unless otherwise specified)

PARAMETER	SYMBOL	UNIT	Conditions	VALUE
Repetitive peak reverse voltage	V _{RRM}	V		100
Reverse voltage	V _R	V		100
Non-repetitive Peak forward surge current	I _{FSM}	A	Pulse width=1 us Pulse width=1 s	2 0.5
Repetitive peak forward current	I _{FRM}	mA		300
Average forward current	I _{FAV}	mA		150
Power dissipation	P _D	mW		100
Junction temperature	T _j	°C		-55 ~+150
Storage temperature range	T _{stg}	°C		-55 ~+150

■Ordering Information (Example)

PREFERED P/N	UNIT WEIGHT(mg)	MINIIMUM PACKAGE(pcs)	INNER BOX QUANTITY(pcs)	OUTER CARTON QUANTITY(pcs)	DELIVERY MODE
1N4148WL2	Approximate 0.9	10K	100K	400K	Tape & Reel

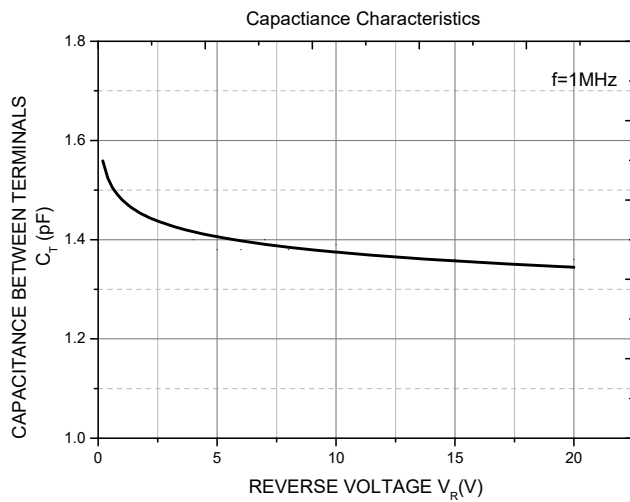
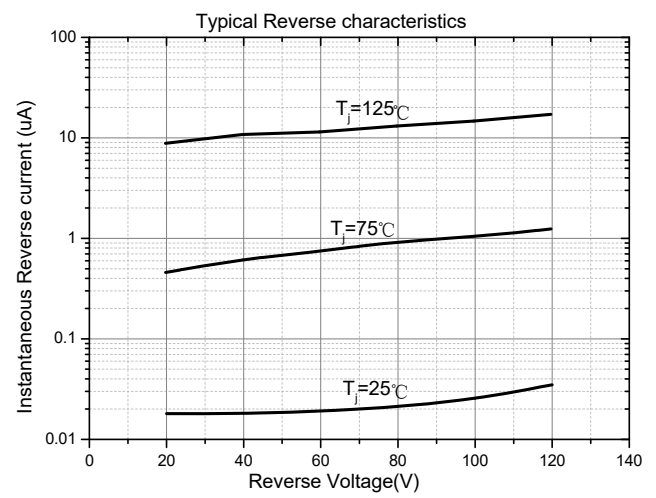
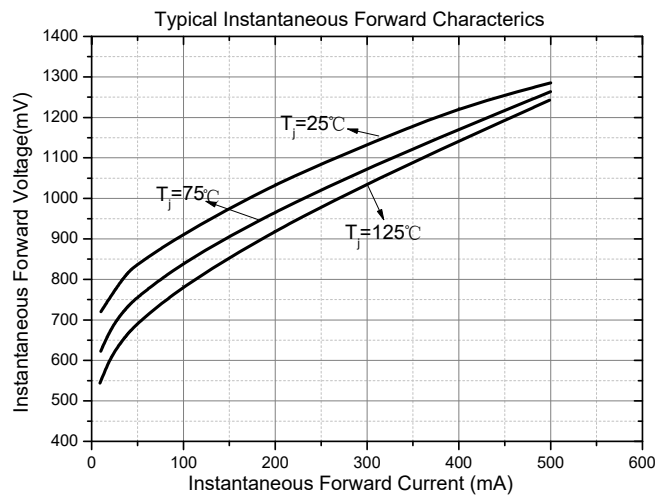
1N4148WL2

■Electrical Characteristics (T_a=25°C Unless otherwise specified)

PARAMETER	Symbol	UNIT	Conditions	Min	Max
Breakdown Voltage	V _R	V	I _R =100uA	100	
Forward Voltage	V _F	V	I _F =1mA		0.715
			I _F =10mA		0.855
			I _F =50mA		1.00
			I _F =150mA		1.25
Reverse Leakage Current	I _{R1}	nA	V _R =25V		30
	I _{R2}	uA	V _R =75V		1
Capacitance	C	pF	V _R =0V, f=1MHz		4
Reverse Recovery Time	T _{RR}	ns	I _F =I _R =10mA, I _{rr} =0.1*I _R , R _L =100Ω		4

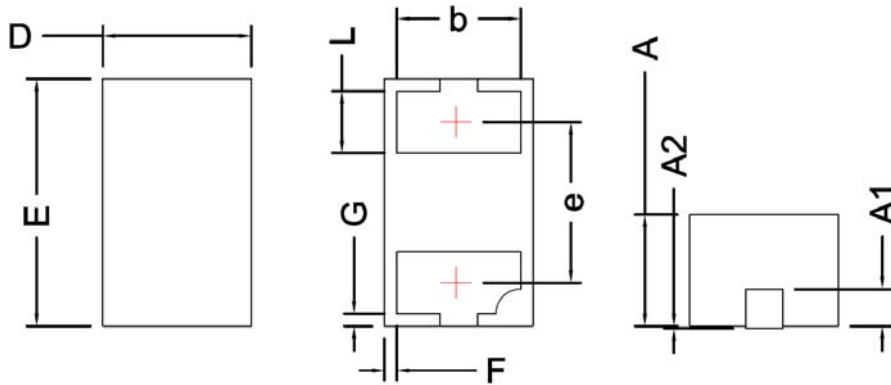
1N4148WL2

■ Characteristics (Typical)



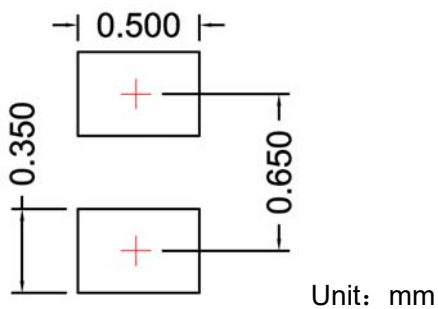
1N4148WL2

■ Outline Dimensions



SYMBOL	MILLIMETER		
	MIN	NOM	MAX
D	0.50	0.60	0.70
E	0.90	1.00	1.10
A	0.35	0.45	0.55
A1	0.15 BSC		
A2			0.10
F	0.005		
G	0.005		
L	0.15	0.25	0.35
b	0.41	0.50	0.59
e	0.65 BSC		

■ Soldering Footprint



1N4148WL2

Disclaimer

The information presented in this document is for reference only. Shanghai Sunco Electronics Co., Ltd reserves the right to make changes without notice for the specification of the products displayed herein to improve reliability, function or design or otherwise.

The product listed herein is designed to be used with ordinary electronic equipment or devices, and not designed to be used with equipment or devices which require high level of reliability and the malfunction of which would directly endanger human life (such as medical instruments, transportation equipment, aerospace machinery, nuclear-reactor controllers, fuel controllers and other safety devices), Russiansunco or anyone on its behalf, assumes no responsibility or liability for any damages resulting from such improper use of sale.

This publication supersedes & replaces all information previously supplied. For additional information, please visit our website [http:// www.russiansunco.com](http://www.russiansunco.com) , or consult your nearest Russiansunco's sales office for further assistance.