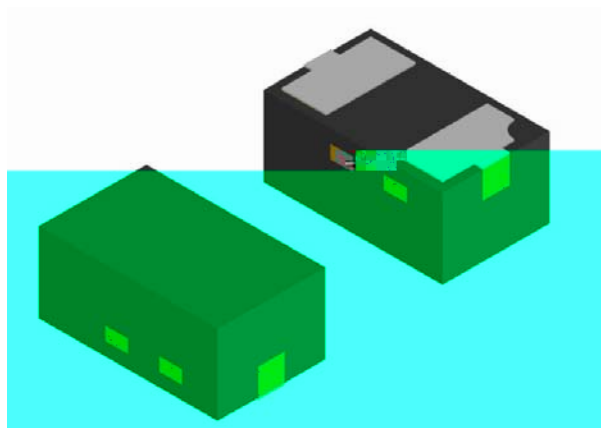


Fast Switching Diode

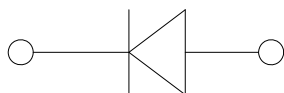


Features

- Low Leakage Current Applications
- Epoxy Meets UL 94 V-0 Flammability Rating
- For General Purpose Switching Applications
- High Conductance
- Lead Free Finish/RoHS Compliant
- 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 ($T_a=25^\circ\text{C}$ 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			-55 ~+150
Storage temperature range	T_{stg}			-55 ~+150

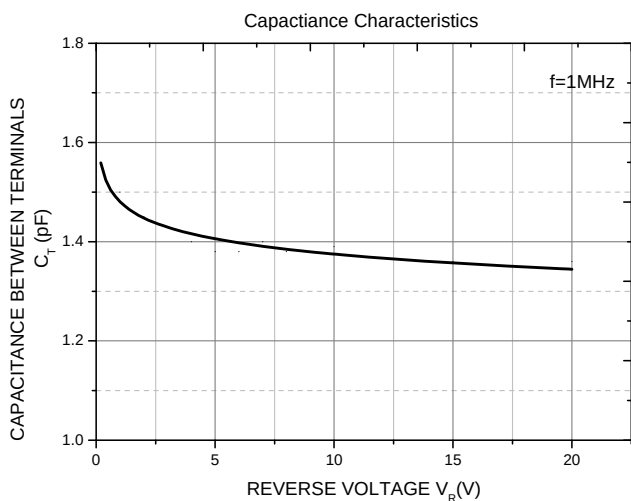
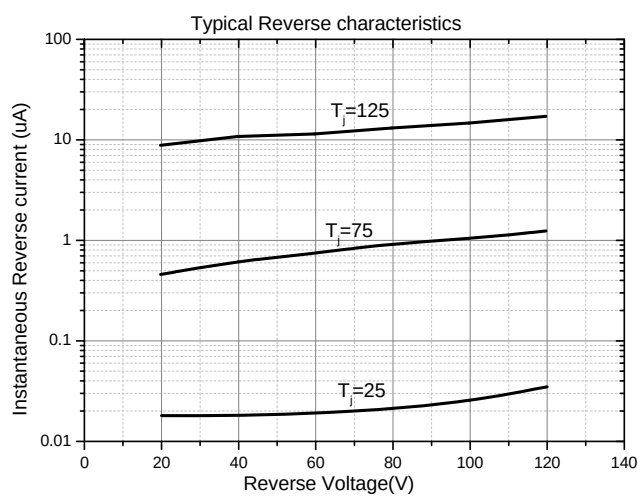
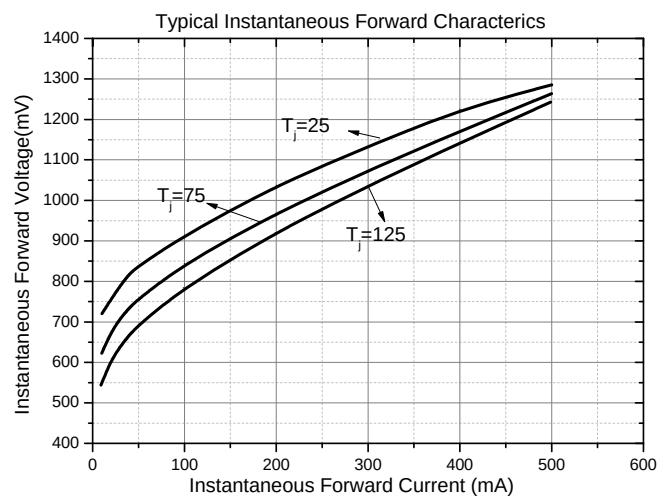
■Ordering Information (Example)

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

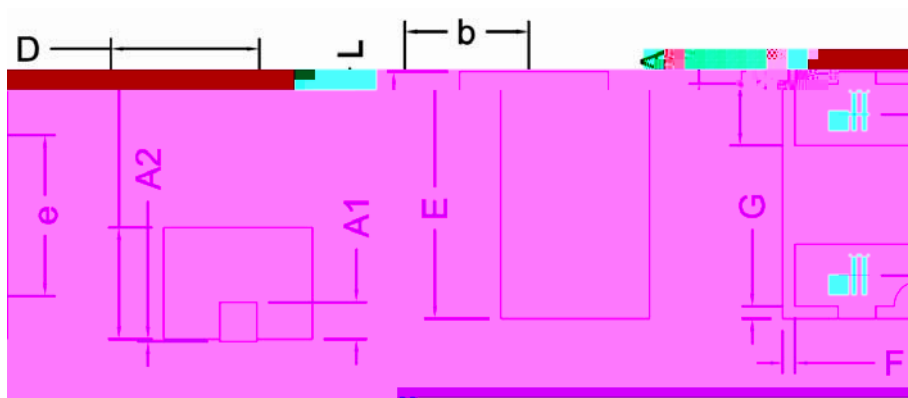
1N4148WL2



■ Characteristics (Typical)

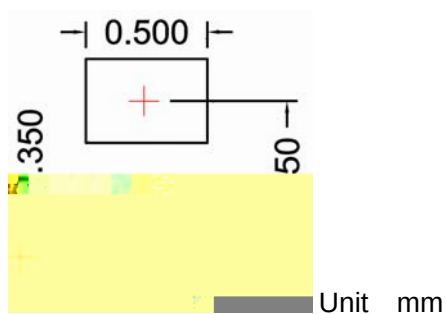


■ Outline Dimensions



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

■ Soldering Footprint





Disclaimer

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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), Yangjie or anyone on its behalf, assumes no responsibility or liability for any damages resulting from such improper use of sale.

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