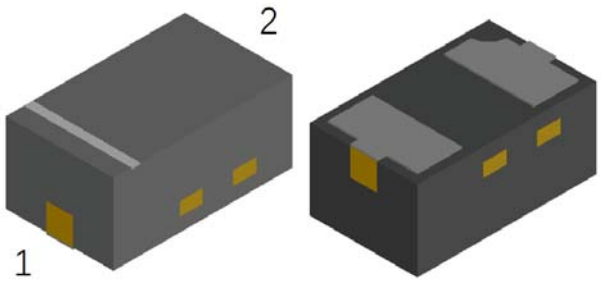
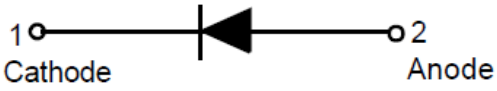
Fast Switching Diode





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 (Ta=25℃ 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

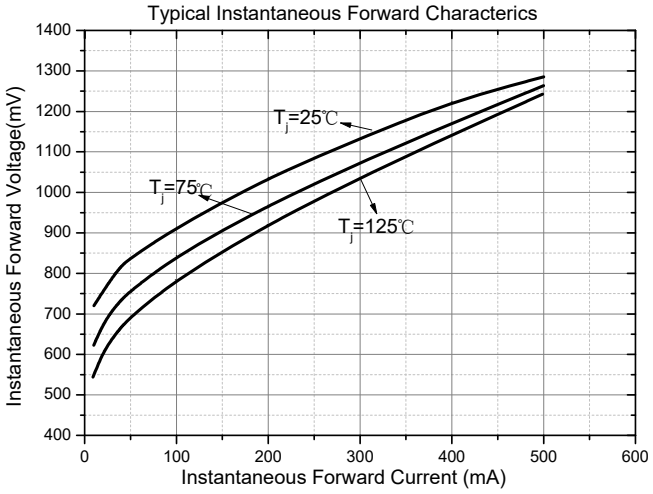
■Ordering Information (Example)

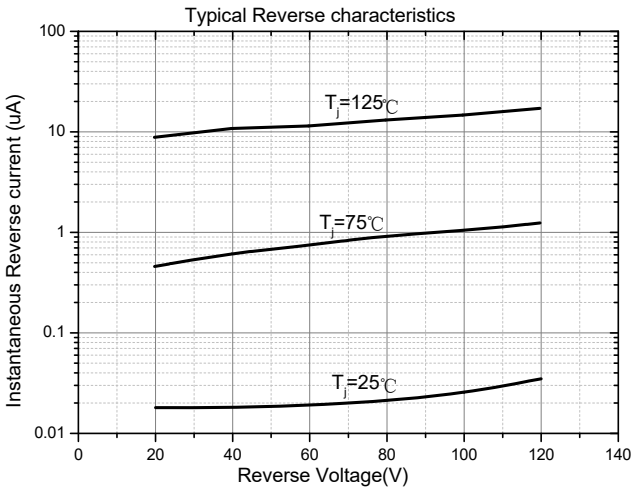
PREFERED P/N	UNIT WEIGHT(mg)	MINIIMUM PACKAGE(pcs)	INNER BOX QUANTITY(pcs)	OUTER CARTON QUANTITY(pcs)	DELIVERY MODE
1N4148WL2	Approximate 0.9	10K	100K	400K	Tape & Reel

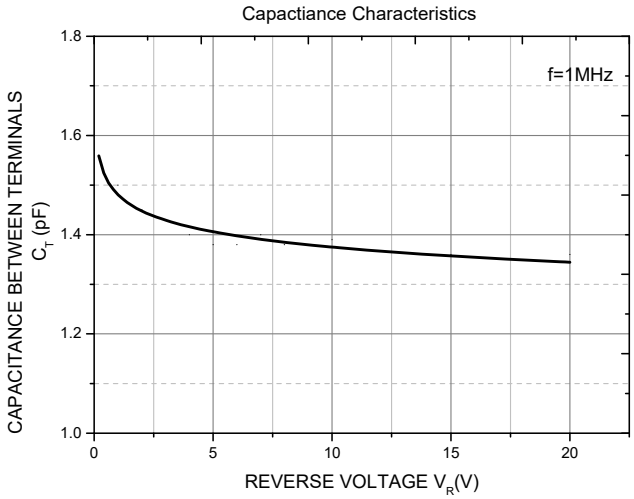
■Electrical Characteristics（T_a=25℃ Unless otherwise specified）

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，Irr=0.1*I_R, R_L=100Ω		4

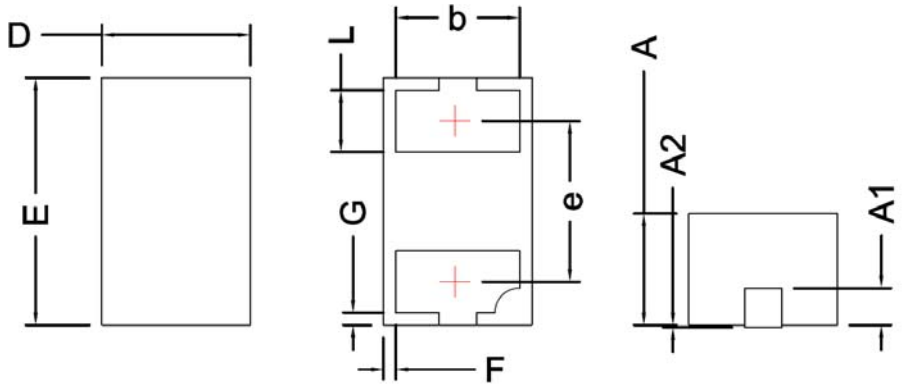
■ **Characteristics** (Typical)





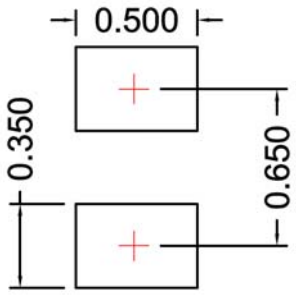


■Outline Dimensions



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



Unit：mm

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