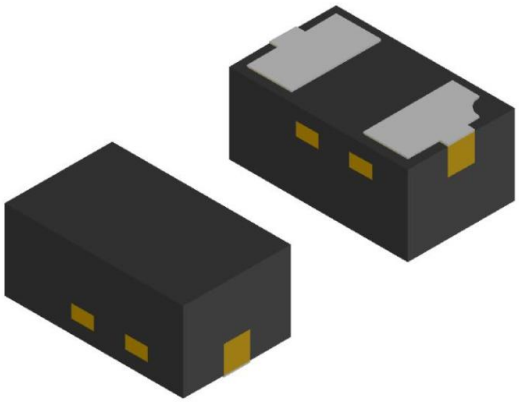
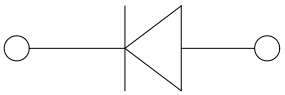
Switching Diode





Features

- Low Leakage Current Applications
- High Conductance
- Lead Free Finish/RoHS Compliant
- Small package saves borad 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**: BV

■Maximum Ratings (Ta=25℃ Unless otherwise specified)

PARAMETER	SYMBOL	UNIT	Conditions	VALUE
Reverse Voltage	V_R	V		85
Non-repetitive Peak Forward Surge Current	I_{FSM}	A	t=1ms	1
Forward Continuous Current	I_F	mA		200
Power Dissipation	P_D	mW		200
Junction Temperature	T_j	℃		150
Storage Temperature Range	T_{stg}	℃		-55 ~+150

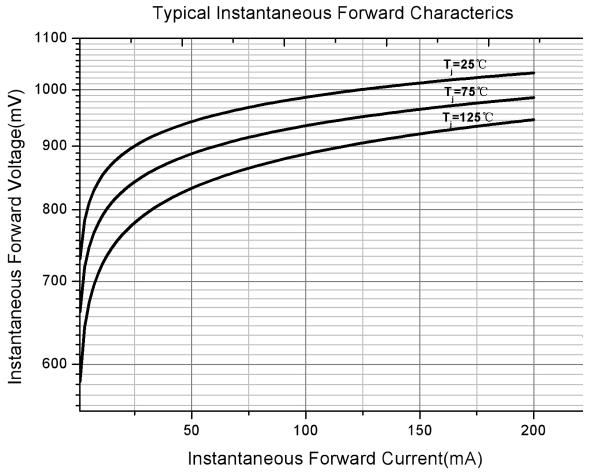
■Electrical Characteristics (Ta=25℃ Unless otherwise specified)

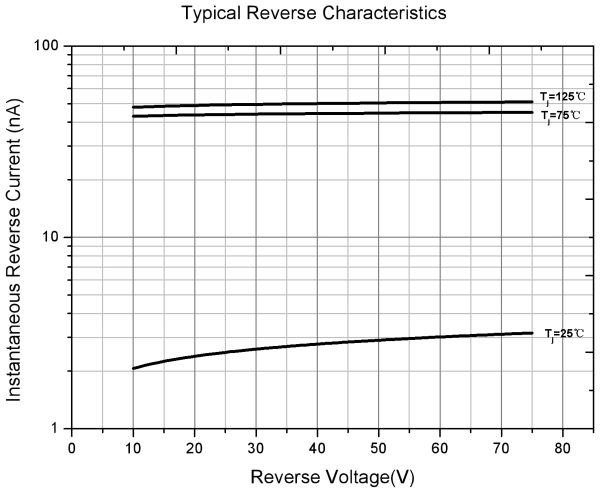
PARAMETER	Symbol	UNIT	Conditions	Min	Max
Breakdown Voltage	V_R	V	I_R=100uA	85	-
Forward Voltage	V_F	V	I_F=1mA	-	0.9
			I_F=10mA	-	1
			I_F=50mA	-	1.1
			I_F=150mA	-	1.25
Reverse Leakage Current	I_R	nA	V_R=75V	-	5
Capacitance	C	pF	V_R=0V,f=1MHz	-	4
Reverse Recovery Time	T_{rr}	us	I_F=I_R=10mA，I_{rr}=0.1*I_R, R_L=100Ω	-	3

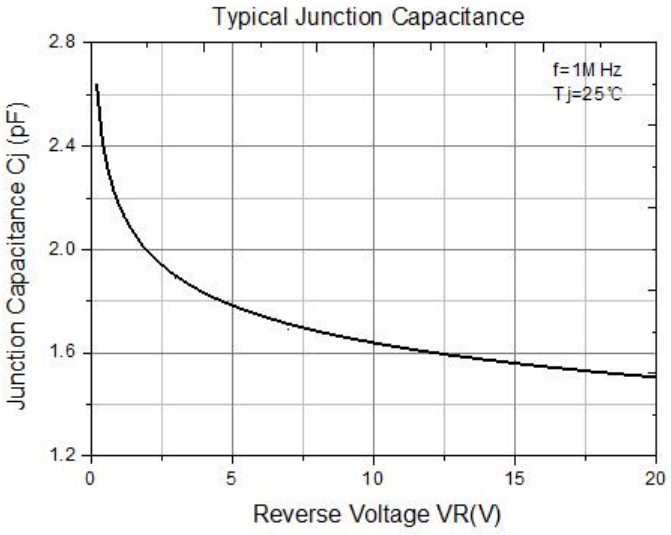
■Ordering Information (Example)

PREFERED P/N	UNIT WEIGHT(mg)	MINIIMUM PACKAGE(pcs)	INNER BOX QUANTITY(pcs)	OUTER CARTON QUANTITY(pcs)	DELIVERY MODE
BAS116L2B	Approximate 0.9	10K	100K	400K	Tape & Reel

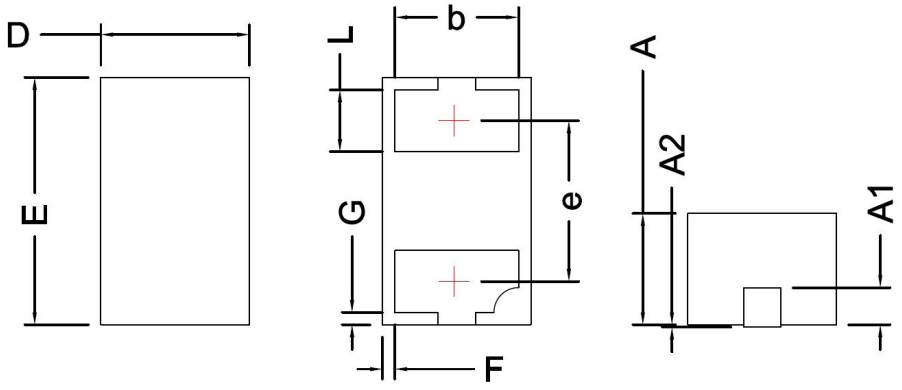
■ Characteristics (Typical)





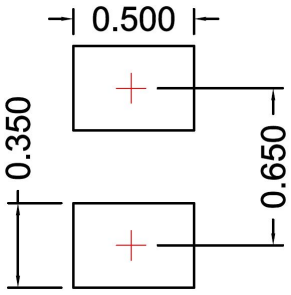


■Outline Dimensions



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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