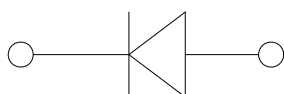
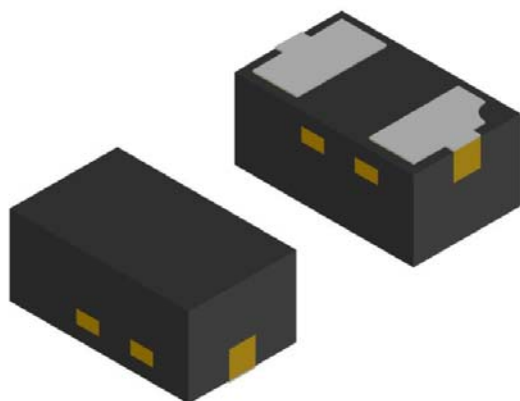


## Switching Diode



### Features

- Low Leakage Current 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:** BV

### ■Maximum Ratings (T<sub>a</sub>=25°C Unless otherwise specified)

PARAMETER	SYMBOL	UNIT	Conditions	VALUE
Reverse Voltage	V <sub>R</sub>	V		85
Non-repetitive Peak Forward Surge Current	I <sub>FSM</sub>	A	t=1ms	1
Forward Continuous Current	I <sub>F</sub>	mA		200
Power Dissipation	P <sub>D</sub>	mW		200
Junction Temperature	T <sub>j</sub>	°C		150
Storage Temperature Range	T <sub>stg</sub>	°C		-55 ~+150

### ■Electrical Characteristics (T<sub>a</sub>=25°C Unless otherwise specified)

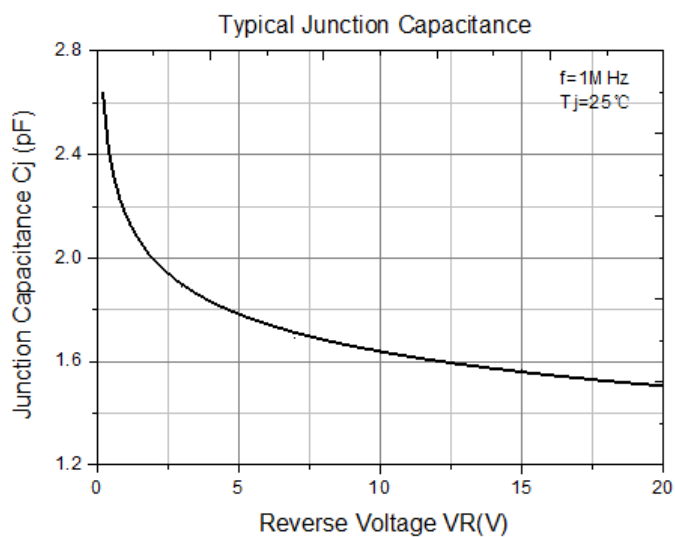
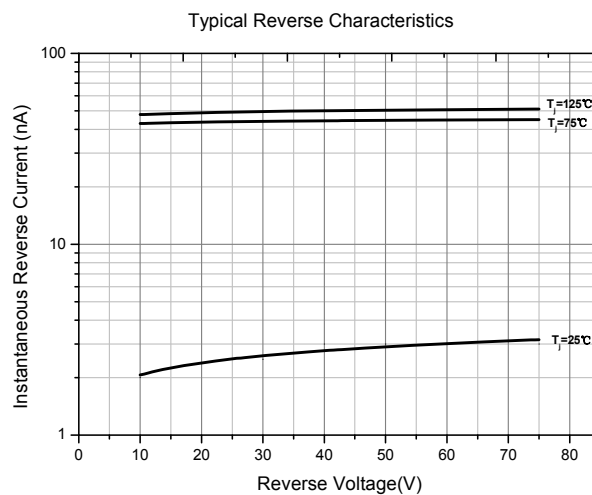
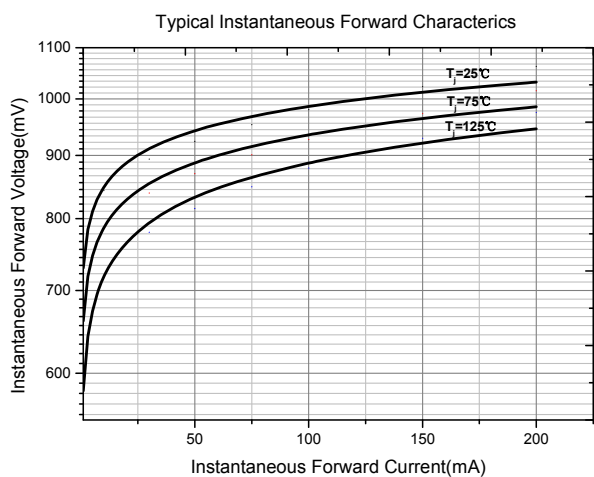
PARAMETER	Symbol	UNIT	Conditions	Min	Max
Breakdown Voltage	V <sub>R</sub>	V	I <sub>R</sub> =100uA	85	-
Forward Voltage	V <sub>F</sub>	V	I <sub>F</sub> =1mA	-	0.9
			I <sub>F</sub> =10mA	-	1
			I <sub>F</sub> =50mA	-	1.1
			I <sub>F</sub> =150mA	-	1.25
Reverse Leakage Current	I <sub>R</sub>	nA	V <sub>R</sub> =75V	-	5
Capacitance	C	pF	V <sub>R</sub> =0V, f=1MHz	-	4
Reverse Recovery Time	T <sub>rr</sub>	us	I <sub>F</sub> =I <sub>R</sub> =10mA, I <sub>rr</sub> =0.1*I <sub>R</sub> , R <sub>L</sub> =100Ω	-	3



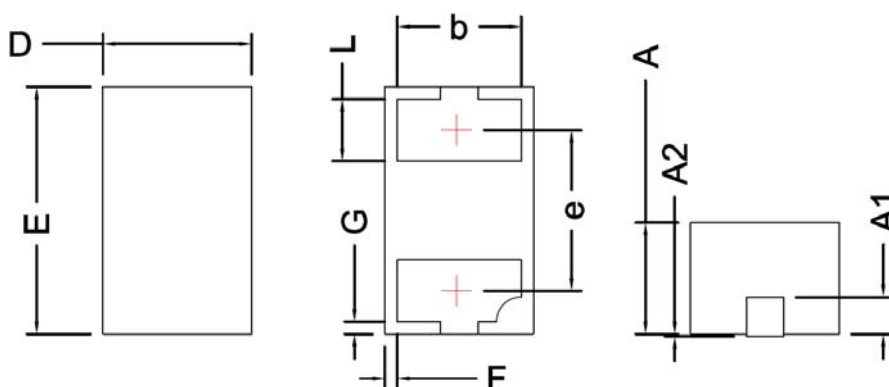
## Ordering Information (Example)

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)

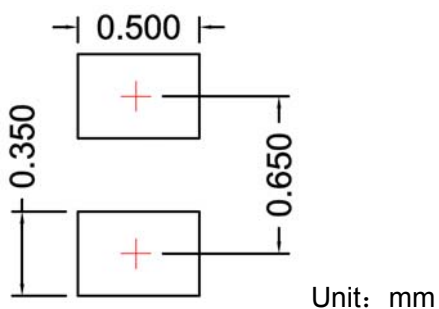


## ■ Outline Dimensions



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





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