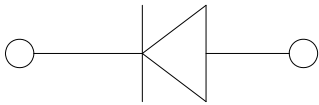
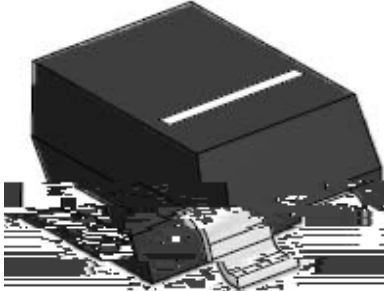


Small-Signal Fast Switching Diodes



Features

- Moisture sensitivity level 1
- Reverse voltage 100V
- Average forward current 200mA

Application

- High frequency rectifier
- Signal switching

Mechanical data

- **Package** SOD-123
- **Terminals** Tin plated leads, solderable per J-STD-002 and JESD22-B102

Maximum Ratings ($T_a=25$ Unless otherwise specified)

Parameter	Symbol	Unit	Value
Device marking code			T4
Repetitive peak reverse voltage	V_{RRM}	V	100
Forward current	I_F	mA	200
Non-repetitive surge peak forward current @ t=8.3ms half-sine wave	I_{FSM}	A	1
Non-repetitive surge peak forward current @ t=1ms square wave			1.5
Power dissipation	P_D	mW	350
Junction temperature	T_J		-55 to +150
Storage temperature	T_{STG}		-55 to +150



Parameter	Symbol	Unit	Conditions
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Characteristics

Fig 1 P_D-T_a Curve

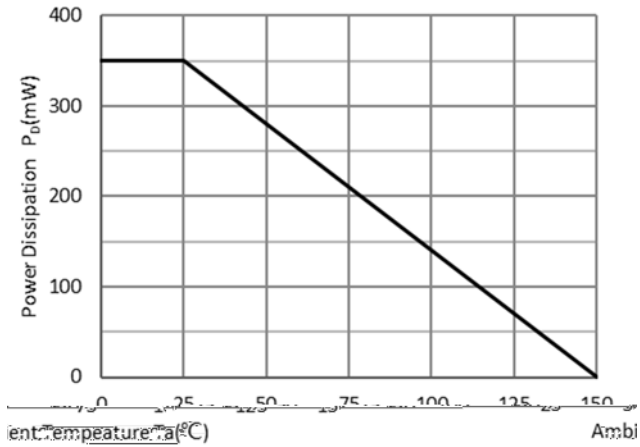


Fig 2 Capacitance Capability

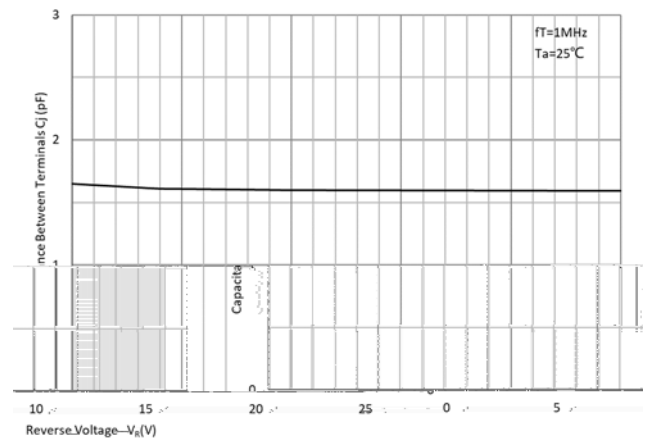


Fig 3 Typical Forward Characteristics

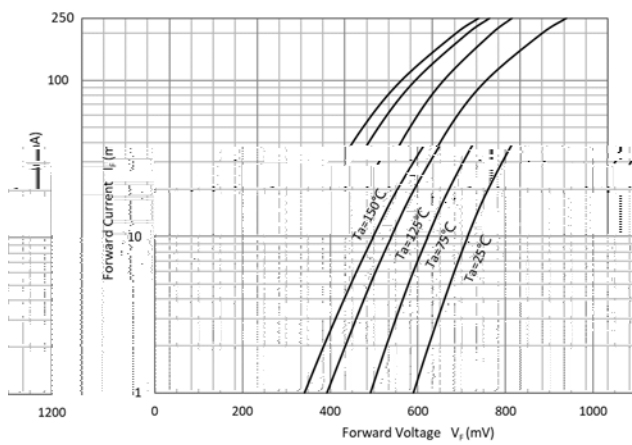
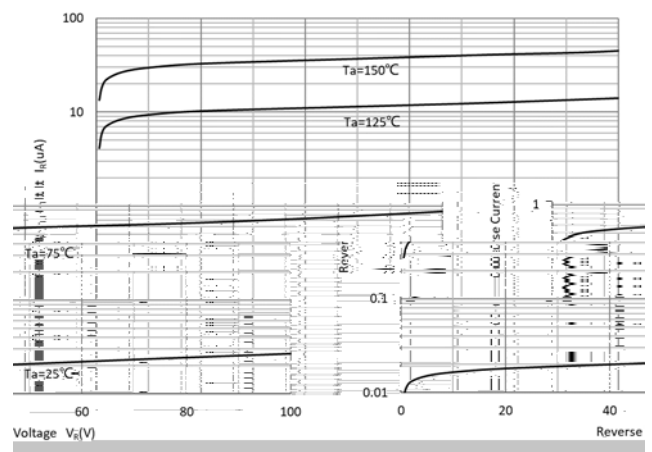


Fig 4 Typical Reverse Characteristics

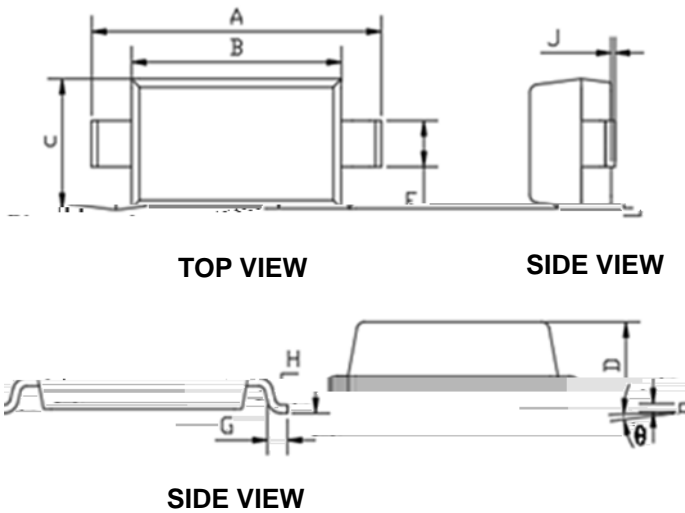




Ordering Information

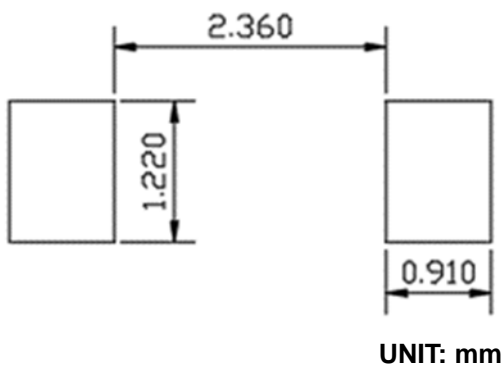
Preferred P/N	Packing code	Unit weight(g)	Minimum package(pcs)	Inner box quantity(pcs)	Outer carton quantity(pcs)	Delivery mode
BAS16W	F2	Approximate 0.011	3000	30000	120000	7" reel
BAS16W	F3	Approximate 0.011	10000	/	210000	13" reel

Outline Dimensions



DIMENSIONS				
DIM	INCHES		MM	
	MIN	MAX	MIN	MAX
A	0.140	0.152	3.550	3.850
B	0.100	0.112	2.550	2.850
C	0.055	0.071	1.400	1.800
D	0.037	0.053	0.950	1.350
E	0.020	0.025	0.510	0.710
0.450	G	0.006	0.018	0.150
0.250	H	0.003	0.010	0.080
0.150	J	0.000	0.006	0.000
8°	θ	0	8°	0

Suggested Pad Layout





Disclaimer

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