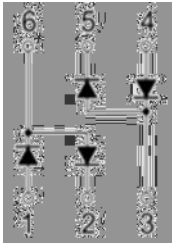




Small-Signal Fast Switching Diodes



- Features**
- Moisture sensitivity level 1
 - Reverse voltage 75V
 - Average forward current 150mA

- Application**
- High frequency and low voltage rectifier

- Mechanical data**
- **Package** SOT-363
 - **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			KJG
Repetitive peak reverse voltage	V _{RRM}	V	75
Forward current	I _F	mA	150
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	200
Junction temperature	T _J		-55 to +150
Storage temperature	T _{STG}		-55 to +150

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Parameter	Symbol	Unit	Conditions	Min	Typ	Max
Reverse voltage	V_R	V	$I_R=0.1\text{mA}$	75		
Forward voltage	V_{F1}	V	$I_F=1\text{mA}$			0.715
	V_{F2}	V	$I_F=10\text{mA}$			0.855
	V_{F3}	V	$I_F=50\text{mA}$			1
	V_{F4}	V	$I_F=150\text{mA}$			1.25
Reverse leakage current	I_{R1}	μA	$V_R=20\text{V}$			0.025
	I_{R2}	μA	$V_R=75\text{V}$			2.5



Characteristics

Fig 1 Pb-Ta Curve

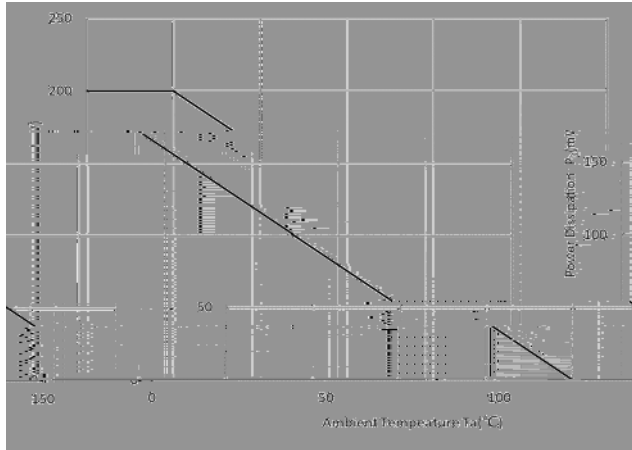


Fig 2 Capacitance Capability

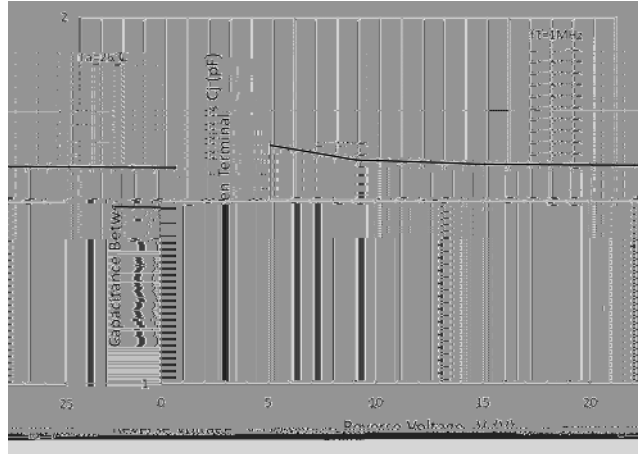


Fig 3 Typical Forward Characteristics



Fig 4 Typical Reverse Characteristics





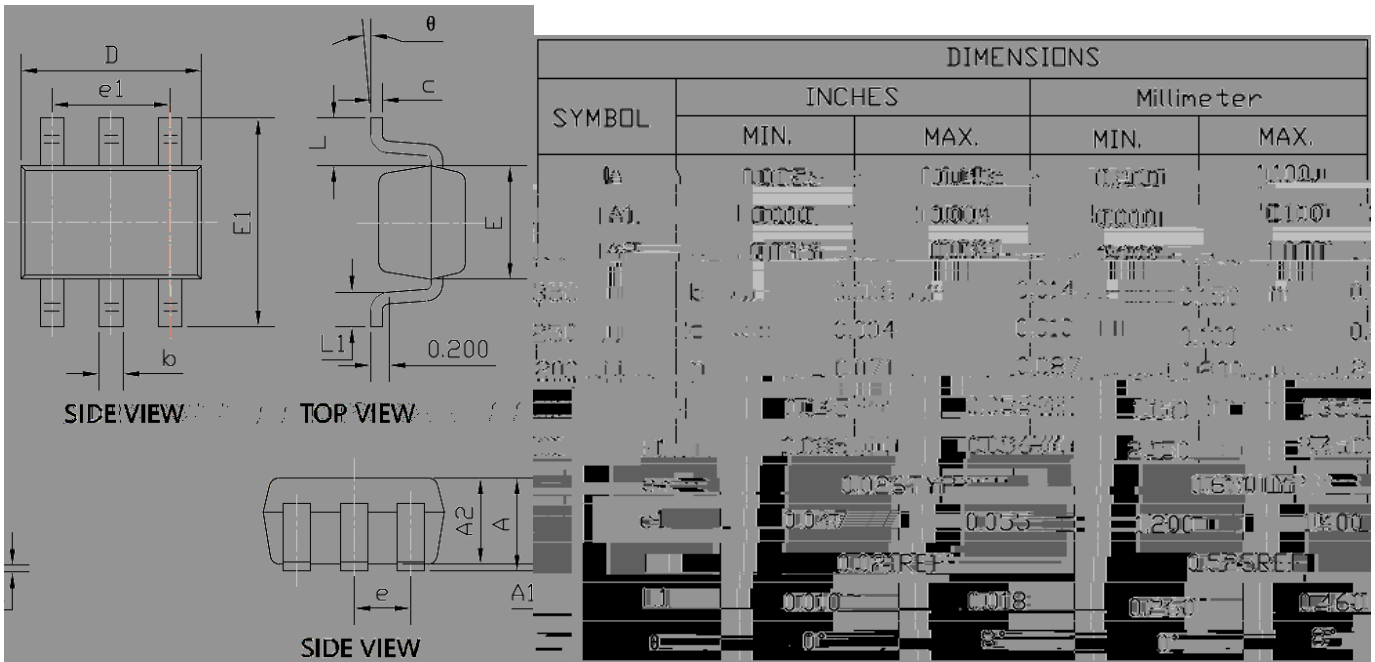
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RoHS
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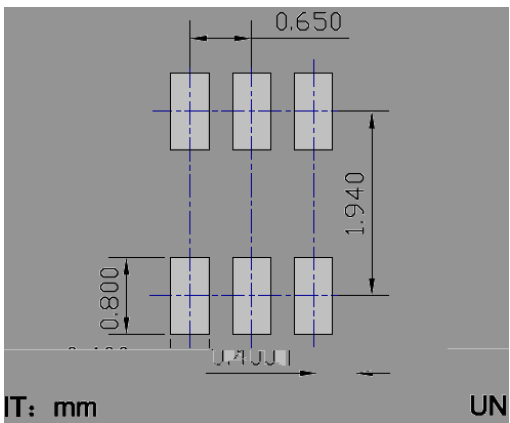
Ordering Information

Preferred P/N	Packing code	Unit weight(g)	Minimum package(pcs)	Inner box quantity(pcs)	Outer carton quantity (pcs)	Delivery mode
BAV99DW	F2	Approximate 0.009	3000	30000	120000	7" reel
BAV99DW	F3	Approximate 0.009	10000	/	210000	7" reel

Outline Dimensions



Suggested Pad Layout





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Scu

Disclaimer

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The product listed herein is designed to be used with