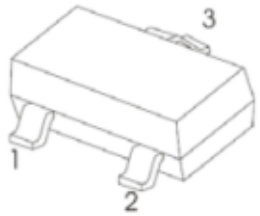
BAV23A/C/S

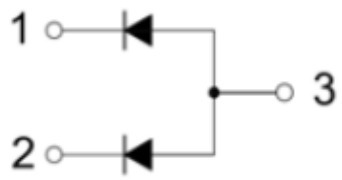
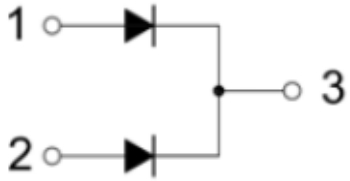
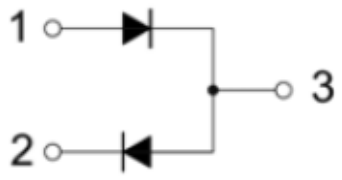
Dual Switching Diode

SOT-23



Features

- Epoxy meets UL-94 V-0 flammability rating
- Moisure Sensitivity Level 1
- Fast Switching Speed
- High Conductance
- For General Purpose Switching Applications

BAV23A	BAV23C	BAV23S
		
MARKING: KT7	MARKING: KT6	MARKING:KL31

■Maximum Rating, (T_a=25℃ Unless otherwise specified)

Item	Symbol	Unit	Value
Repetitive peak reverse voltage	V_{RRM}	V	250
Average Rectified Output Current	I_O	mA	200
Power Dissipation	P_D	mW	350
Thermal Resistance from Junction to Ambient	R_{thJA}	℃/W	357
Operation Junction Temperature	T_J	℃	-55 to +150
Storage Temperature	T_{STG}	℃	-55 to +150

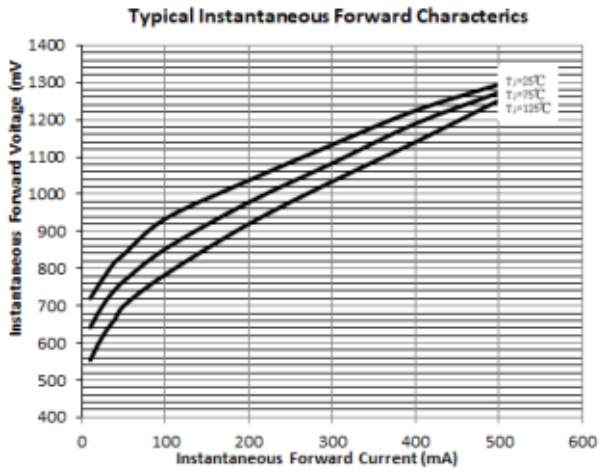
■Ordering Information (Example)

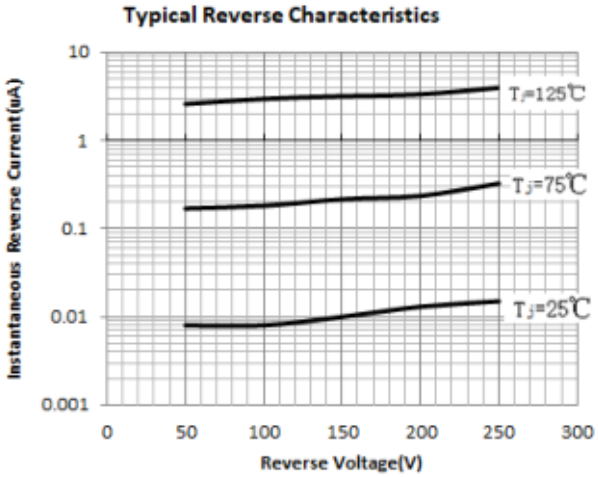
PREFERED P/N	PACKING CODE	UNIT WEIGHT(g)	MINIMUM PACKAGE(pcs)	INNER BOX QUANTITY(pcs)	OUTER CARTON QUANTITY(pcs)	DELIVERY MODE
BAV23C	F2	Approximate 0.008	3000	30000	120000	7” reel

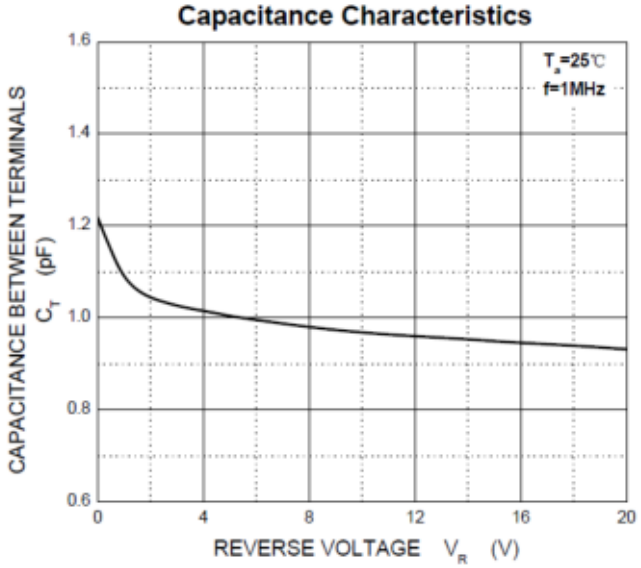
■Electrical Characteristics（T_a=25℃ Unless otherwise specified, Per Leg）

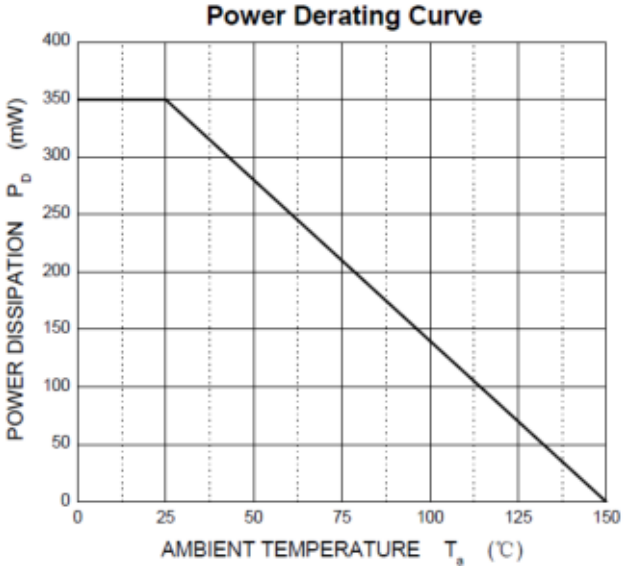
Item	Symbol	Unit	Conditions	Min	Typ	Max
Reverse Voltage	V_{BR}	V	IR=100uA	250		
Forward Voltage	V_F	V	I_{FM}=100mA, T_J=25℃			1
			I_{FM}=200mA, T_J=25℃			1.25
Reverse Current	I_R	uA	V_R=200V			0.1
Total Capacitance	C_{tot}	pF	f=1.0MHz, V_R=0V			5
Reverse Recovery Time	T_{rr}	ns	I_F=I_R=30mA, V_R=6V, R_L=100Ω, I_{rr}=3mA			50

■ Typical Characteristics (Per Leg)

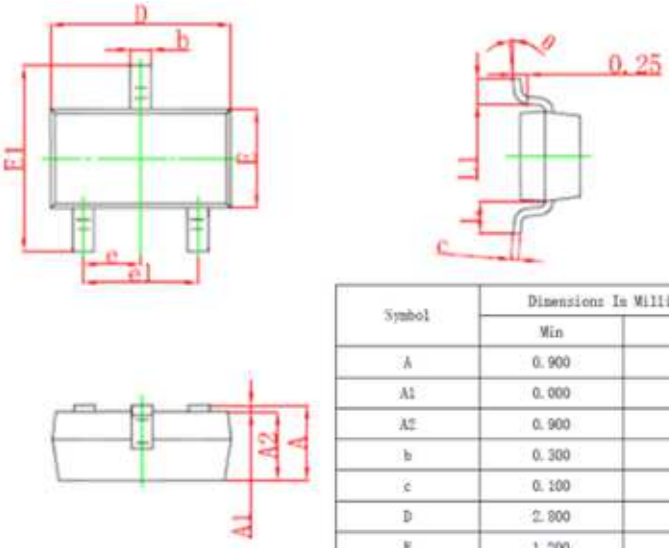






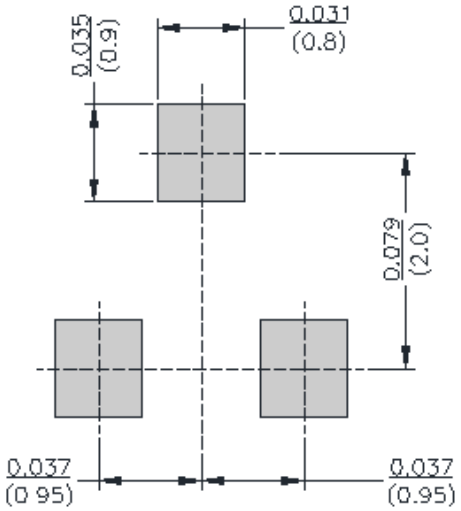


■SOT-23 Package Outline Dimensions



Symbol	Dimensions In Millimeters		Dimensions In Inches	
	Min	Max	Min	Max
A	0.900	1.150	0.035	0.045
A1	0.000	0.100	0.000	0.004
A2	0.900	1.050	0.035	0.041
b	0.300	0.500	0.012	0.020
c	0.100	0.200	0.004	0.008
D	2.800	3.000	0.110	0.118
E	1.200	1.400	0.047	0.055
E1	2.250	2.550	0.089	0.100
e	0.950TYP		0.037TYP	
e1	1.800	2.000	0.071	0.079
L	0.550REF		0.022REF	
L1	0.300	0.500	0.012	0.020
θ	0°	8°	0°	8°

■SOT-23Suggested Pad Layout



Disclaimer

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The product listed herein is designed to be used with ordinary electronic equipment or devices, and not designed to be used with equipment or devices which require high level of reliability and the malfunction of with would directly endanger human life (such as medical instruments, transportation equipment, aerospace machinery, nuclear-reactor controllers, fuel controllers and other safety devices), Yangjie or anyone on its behalf, assumes no responsibility or liability for any damages resulting from such improper use of sale.

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