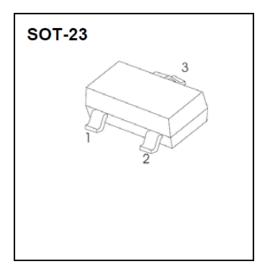
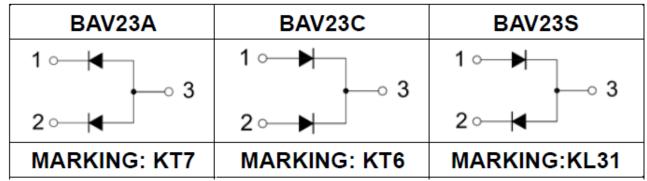
Dual Switching Diode



Features

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



■Maximum Rating, (Ta=25°C Unless otherwise specified)

Item	Symbol	Unit	Value
Repetitive peak reverse voltage	V _{RRM}	V	250
Average Rectified Output Current	Ι _Ο	mA	200
Power Dissipation	PD	mW	350
Thermal Resistance from Junction to Ambient	R _{thJA}	°C /W	357
Operation Junction Temperature	TJ	°C	-55 to +150
Storage Temperature	T _{STG}	°C	-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

RoHS

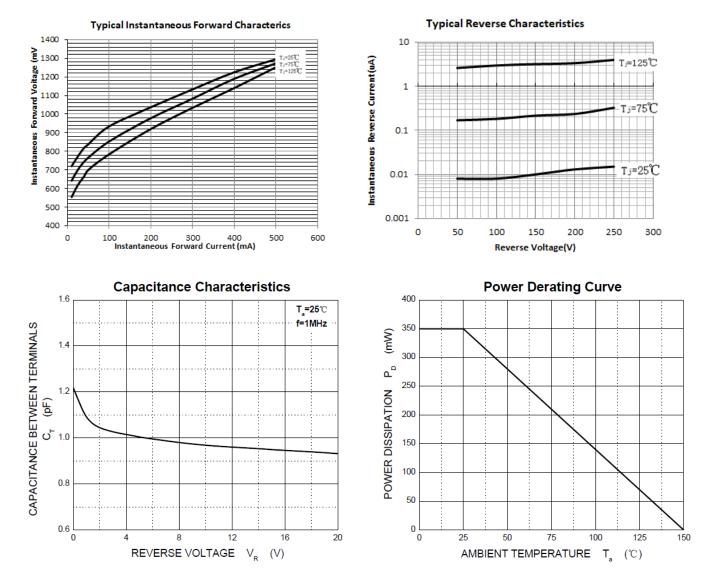
COMPLIANT

BAV23A/C/S

■Electrical Characteristics (Ta=25°C Unless otherwise specified, Per Leg)

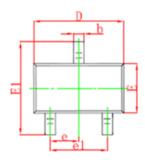
ltem	Symbol	Unit	Conditions	Min	Тур	Max
Reverse Voltage	V_{BR}	V	IR=100uA	250		
Forward Voltage	V _F	V	I _{FM} =100mA, TJ=25℃			1
			I _{FM} =200mA, TJ=25℃			1.25
Reverse Current	I _R	uA	V _R =200V			0.1
Total Capacitance	C _{tot}	pF	f=1.0MHz, V _R =0V			5
Reverse Recovery Time	T _{rr}	ns	$I_F=I_R=30$ mA, $V_R=6V$, $R_L=100 \Omega$, $I_{rr}=3$ mA			50

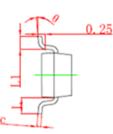
Typical Characteristics (Per Leg)

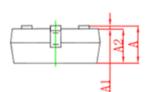


2/4

■SOT-23 Package Outline Dimensions

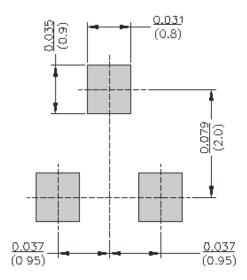






Symbol -	Dimensions In	n Millimeters	Dimensions In Inches		
	Min	Max	Min	Max	
A	0.900	1.150	0.035	0.045	
A1	0.000	0.100	0.000	0.004	
A2	0.900	1.050	0.035	0.041	
b	0.300	0.500	0.012	0.020	
c	0.100	0.200	0.004	0.008	
D	2.800	3.000	0.110	0.118	
E	1.200	1. 400	0.047	0.055	
E1	2.250	2.550	0.089	0.100	
e	0.95	OTYP	0. 037TYP		
el	1.800	2.000	0.071	0.079	
L	0.55	OREF	0. 022REF		
L1	0.300	0.500	0.012	0.020	
θ	0°	8°	0°	8°	

■SOT-23Suggested Pad Layout



3/4



BAV23A/C/S

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