

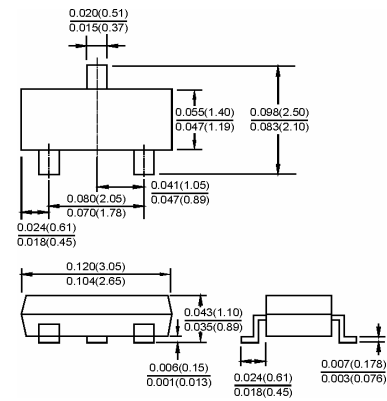


FEATURES

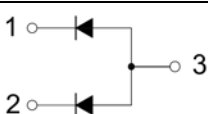
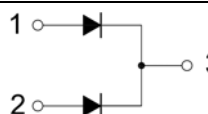
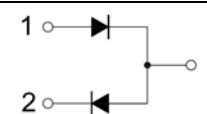



- ◇ Fast switching speed.
- ◇ Surface mount package ideally suited for
- ◇ Automatic insertion.
- ◇ For general purpose switching applications.
- ◇ High conductance.

APPLICATIONS

- ◇ High speed switching application.



Dimensions in inches and (millimeters)

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

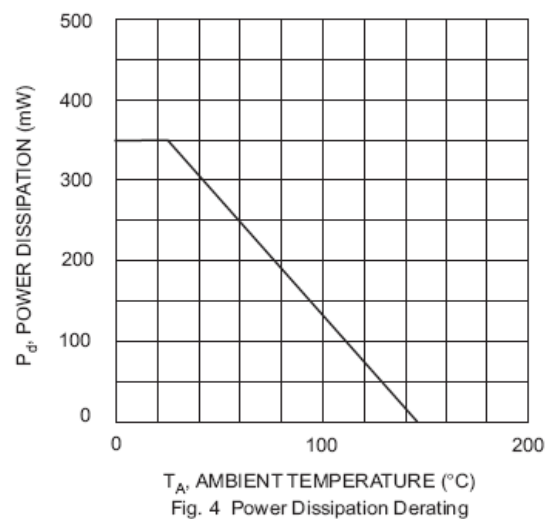
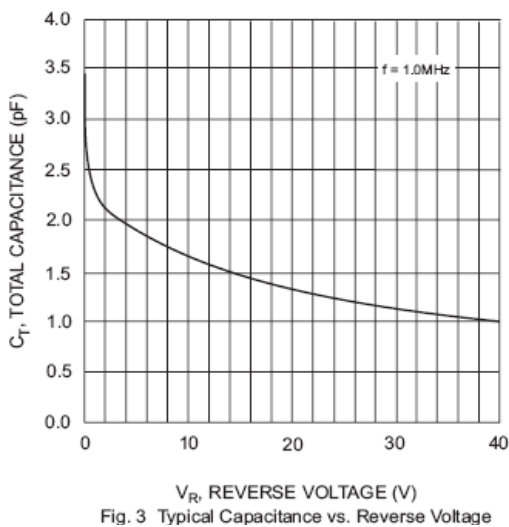
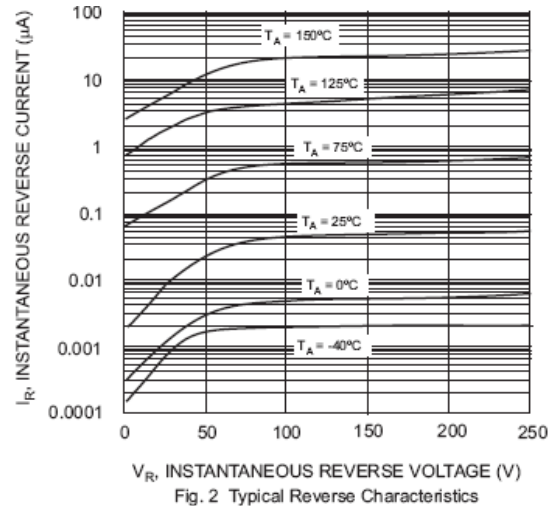
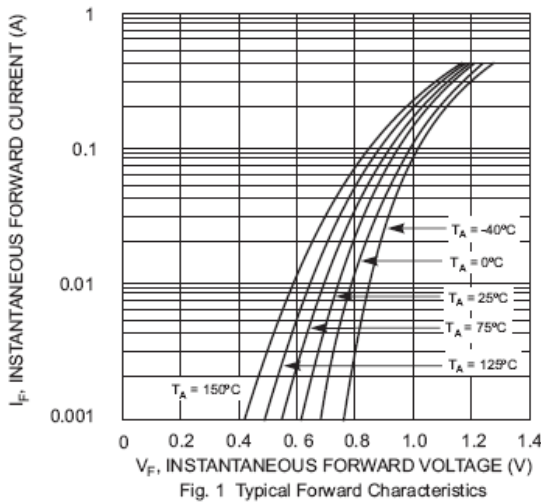
MAXIMUM RATING @ Ta=25. unless otherwise specified

Characteristic	Symbol	Value	Unit
Repetitive Peak Reverse Voltage	V_{RRM}	250	V
Working peak reverse voltage DC reverse voltage	V_{RWM} V_R	200	V
RSM Reverse Voltage	$V_{R(RMS)}$	141	V
Forward Continuous Current(Max.)	I_{FM}	400	mA
Non-Repetitive Peak Forward Surge Current @ t = 1.0μs @ t = 100μs @ t = 10ms	I_{FSM}	9.0 3.0 1.7	A
Repetitive Peak Forward Surge Current	I_{FRM}	625	mA
Power Dissipation	P_d	350	mW
Thermal Resistance Junction to Ambient Air	$R_{\theta JA}$	357	°C/W
Operating Junction Temperature Range	T_j	150	°C
Storage Temperature Range	T_{STG}	-65 to +150	°C

ELECTRICAL CHARACTERISTICS @ Ta=25. unless otherwise specified

Characteristic	Symbol	Min	MAX	UNIT	Test Condition
Reverse breakdown Voltage	$V_{(BR)R}$	250	-	V	$I_R=100\mu A$
Reverse Leakage Current	I_R	-	100	nA	$V_R=200V$
Forward voltage	V_F	-	1 1.25	V	$I_F=100mA$ $I_F=200mA$
Total Capacitance	C_T	-	5.0	pF	$V_R=0V, f=1.0MHz$
Reverse Recovery Time	t_{rr}	-	50	ns	$I_F=I_R=30mA, t_r=0.1 \cdot I_R$ $R_L=100\Omega$

TYPICAL CHARACTERISTICS @ Ta=25. unless otherwise specified



PACKAGE	SPQ/PCS	CARTON SPQ/PCS	CARTON SIZE/CM	CARTON GW/KG	CARTON NW/KG
SOT-23	3000/REEL	90000	40X20X22	5.00	4.00

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