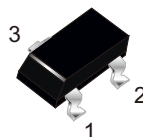


FEATURES

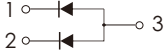
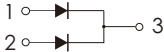
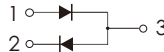



- Fast switching device($TRR < 6nS$)
- Power Dissipation of 225mW
- High Stability and High Reliability
- Low reverse leakage

SOT-23



MECHANICAL DATA

- Case:SOT-23(TO-236)
- Terminals:Plated solderable per MIL-STD-750,method 2026
- Mounting Position: Any

BAW56	BAV70	BAV99
		
MARKING:A1	MARKING:A4	MARKING:A7
		

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

(Ratings at 25°C ambient temperature unless otherwise specified)

Parameter	Symbols	Value	Units
Reverse Voltage	V_R	100	V
Non-Repetitive Peak Forward Current	I_{FM}	400	mA
Peak Forward Surge Current(@ $t_p=1ms$)	I_{FSM}	2.0	A
Average Rectified Current	I_o	250	mA
Power Dissipation at $T_A=25^{\circ}C$	P_D	225	mW
Junction temperature	T_J	150	$^{\circ}C$
Storage temperature range	T_{STG}	-55 to +150	$^{\circ}C$
Typical thermal resistance	$R_{\theta JA}$	500	$^{\circ}C/W$

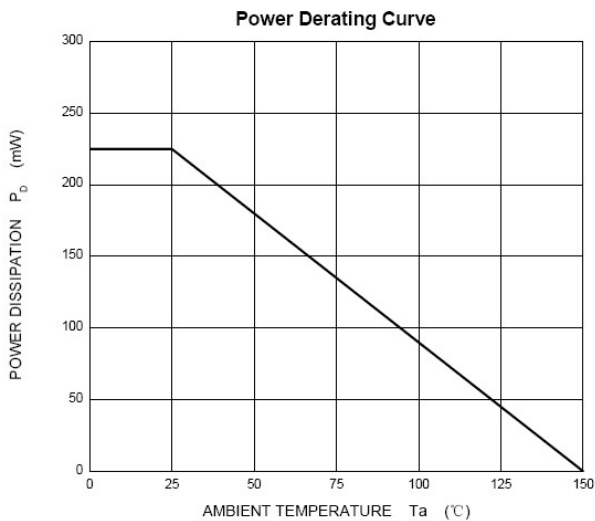
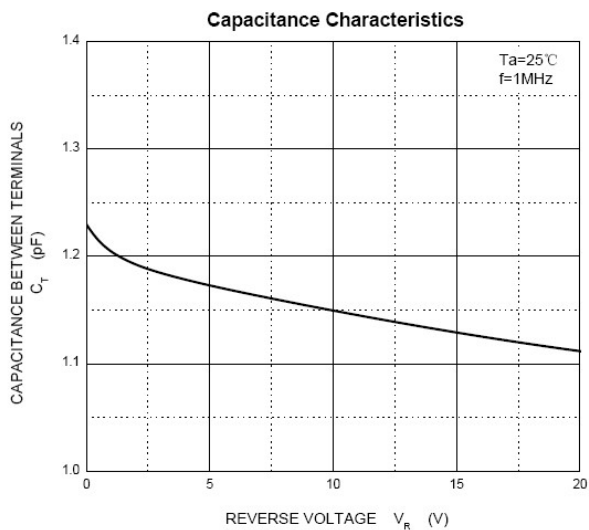
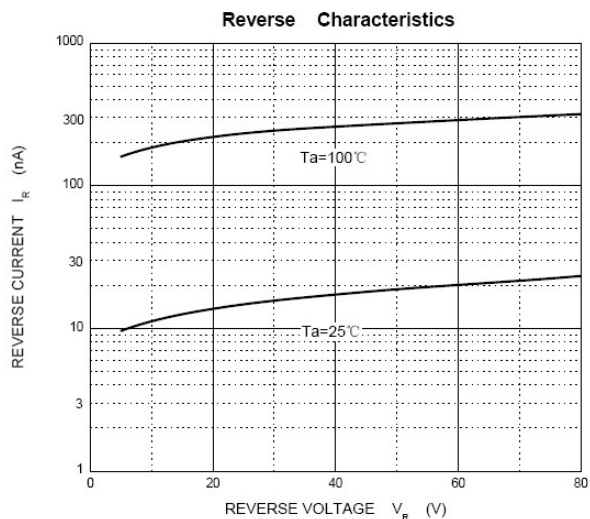
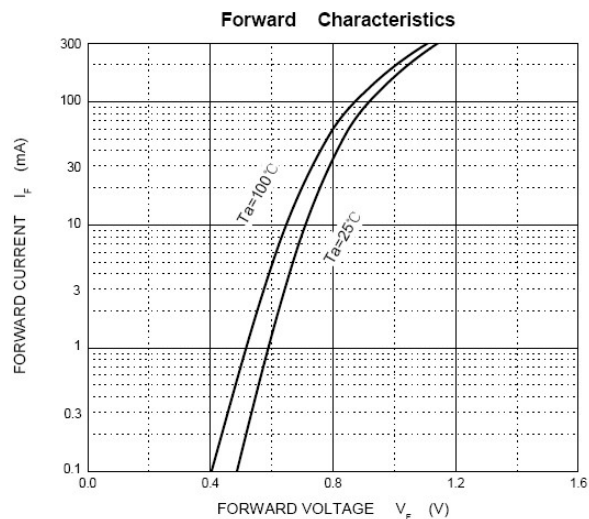
ELECTRICAL CHARACTERISTICS

(Ratings at 25°C ambient temperature unless otherwise specified)

Parameter	Symbol	Min.	Max.	Units
Forward voltage at $I_F=1mA$	V_F	—	0.715	V
			0.855	
			1.00	
			1.25	
Reverse Voltage at $I_R=100\mu A$	V_{RB}	100	—	V
Leakage current at $V_R=100V$	I_R	—	1.0	μA
Junction capacitance at $V_R=0V$ $f=1MHz$	C_J	—	1.5	pF
Reverse recovery time $I_F=10mA, I_R=10mA, RL=100\Omega, IRR=1mA$	t_{rr}	—	6	ns

RATINGS AND CHARACTERISTIC CURVES BAW56/BAV70/BAV99

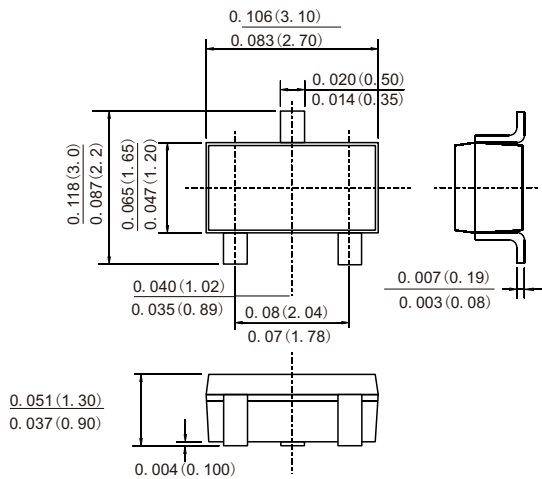
Typical Characteristics Diagrams



RATINGS AND CHARACTERISTIC CURVES BAW56/BAV70/BAV99

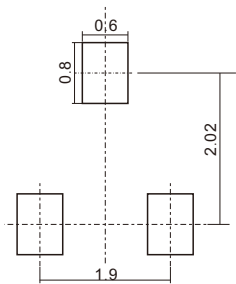
Outline Dimensions

SOT-23



Dimensions in inches and (millimeters)

Suggested pad layout



Dimensions in millimeters

Friendship Reminder

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