



Switching Diode

■ Features

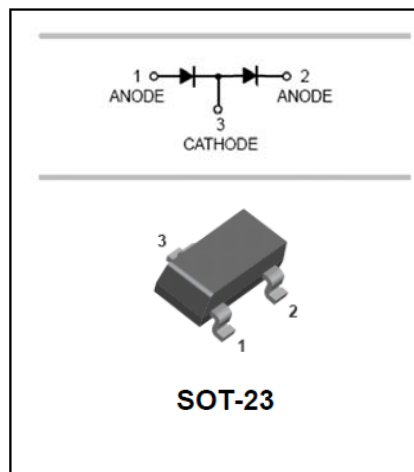
- V_R 70V
- I_O 215mA

■ Applications

- Low Leakage Current Applications

■ Marking JY

■ External and internal structure



■ Limiting Values (Absolute Maximum Rating)

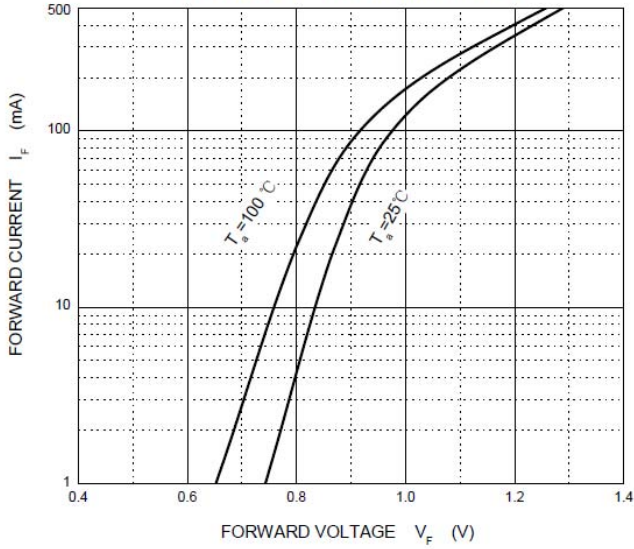
Item	Symbol	Unit	Conditions	Limit
Non-Repetitive Peak Reverse Voltage	VRM	V		70
DC Blocking Voltage	VR	V		70
Forward Continuous Current	IFM	mA		500
Average Rectified Output Current	IO	mA		215
Power Dissipation	Pd	mW		200
Operating Junction Temperature Range	Tj	°C		150
Storage Temperature Range	TSTG	°C		-55 to +150

■ Electrical Characteristics ($T_a=25^\circ\text{C}$ Unless otherwise specified)

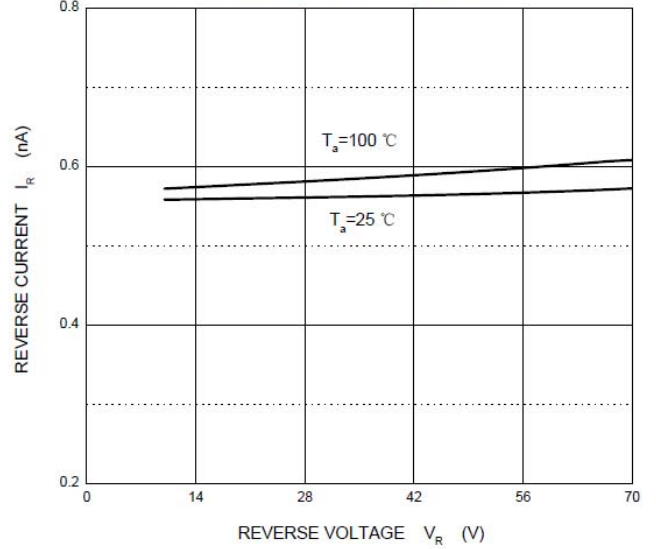
Item	Symbol	Unit	Conditions	Min	Typ	Max
Reverse Breakdown Voltage	VR	V	IR= 100uA	70		
Forward Voltage	VF1	V	IF=1mA			0.9
	VF2		IF=10mA			1.0
	VF3		IF=50mA			1.1
	VF4		IF=150mA			1.25
Reverse Current	IR	uA	VR=70V			2.5
Capacitance Between Terminals	CT	pF	VR=0V, f=1.0MHz			2.0
Reverse Recovery Time	trr	ns	IF=IR=10mA			3.0

■ Characteristics(Typical)

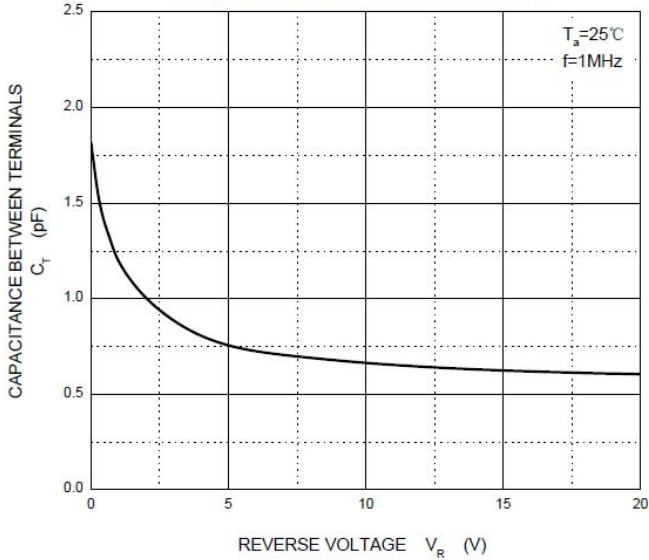
Forward Characteristics



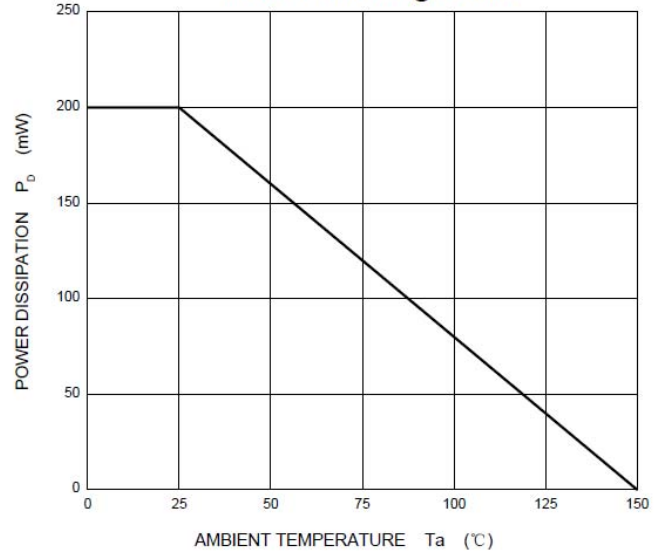
Reverse Characteristics



Capacitance Characteristics

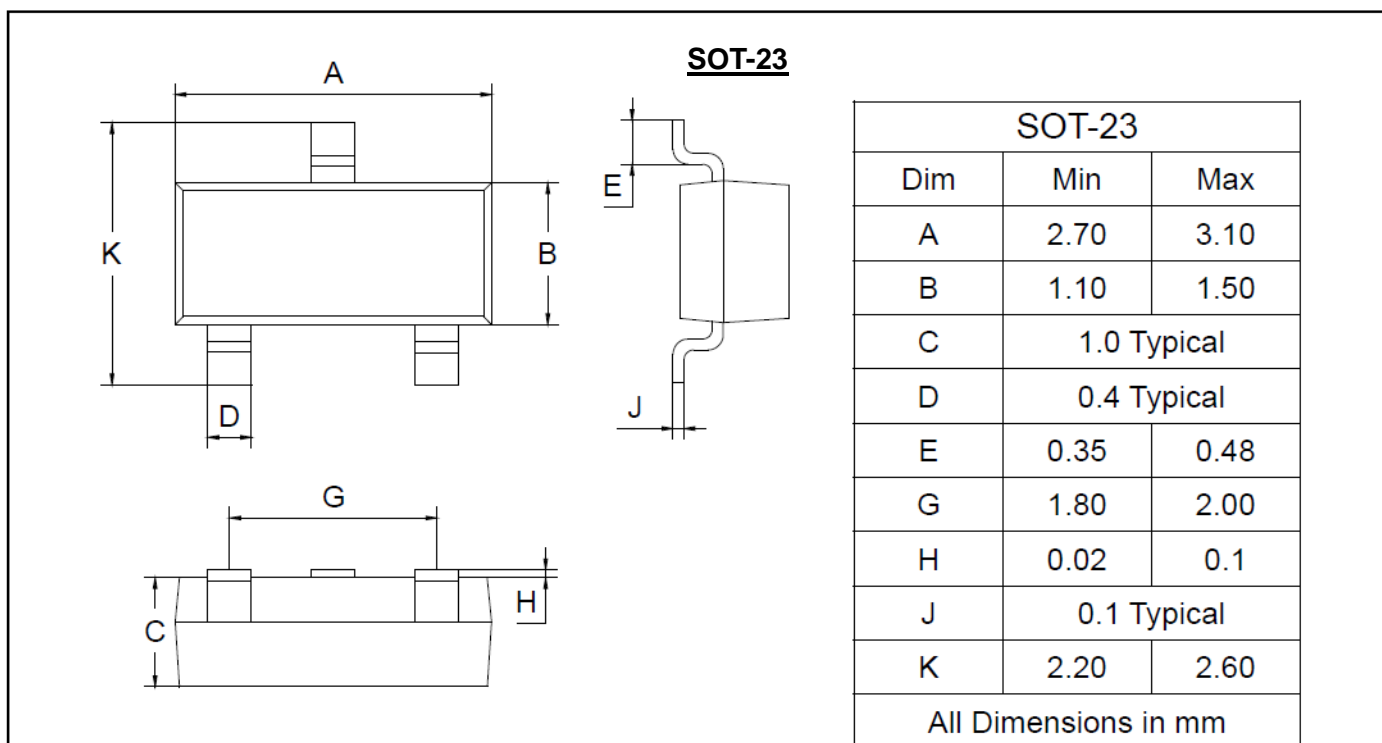


Power Derating Curve

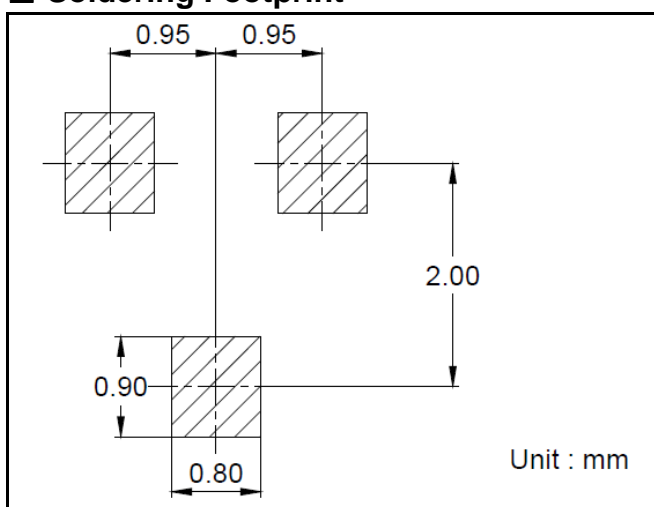




■ Plastic surface mounted package



■ Soldering Footprint



■ Packing Information

Device	Package	Shipping
BAV199	SOT-23	3000/Tape&Reel