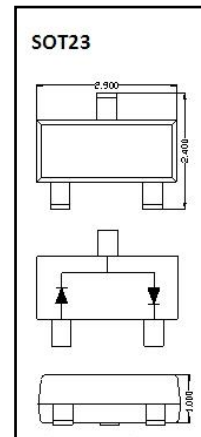


DATA SHEET

BAV199

- ◇ Fast Switching Speed
- ◇ For General Purpose Switching Applications
- ◇ High Conductance
- ◇ Low Current Leakage
- ◇ Small Outline Surface Mount Package
- ◇ RoHS compliant / Green EMC

Device Marking Code	
BAV199	JY



MAXIMUM RATINGS (T_a = 25 °C)

Symbol	Parameter	Value	Units
V _R	Reverse Voltage	70	V
I _F	Forward Current	500	mA
I _{FSM}	Non-Repetitive Peak Forward Surge Current*1	1.0	A
P _D	Power Dissipation	200	mW
T _J	Junction Temperature	150	°C
T _{STG}	Storage Temperature	-55 to +150	°C

*1 8.3 ms single half sine-wave

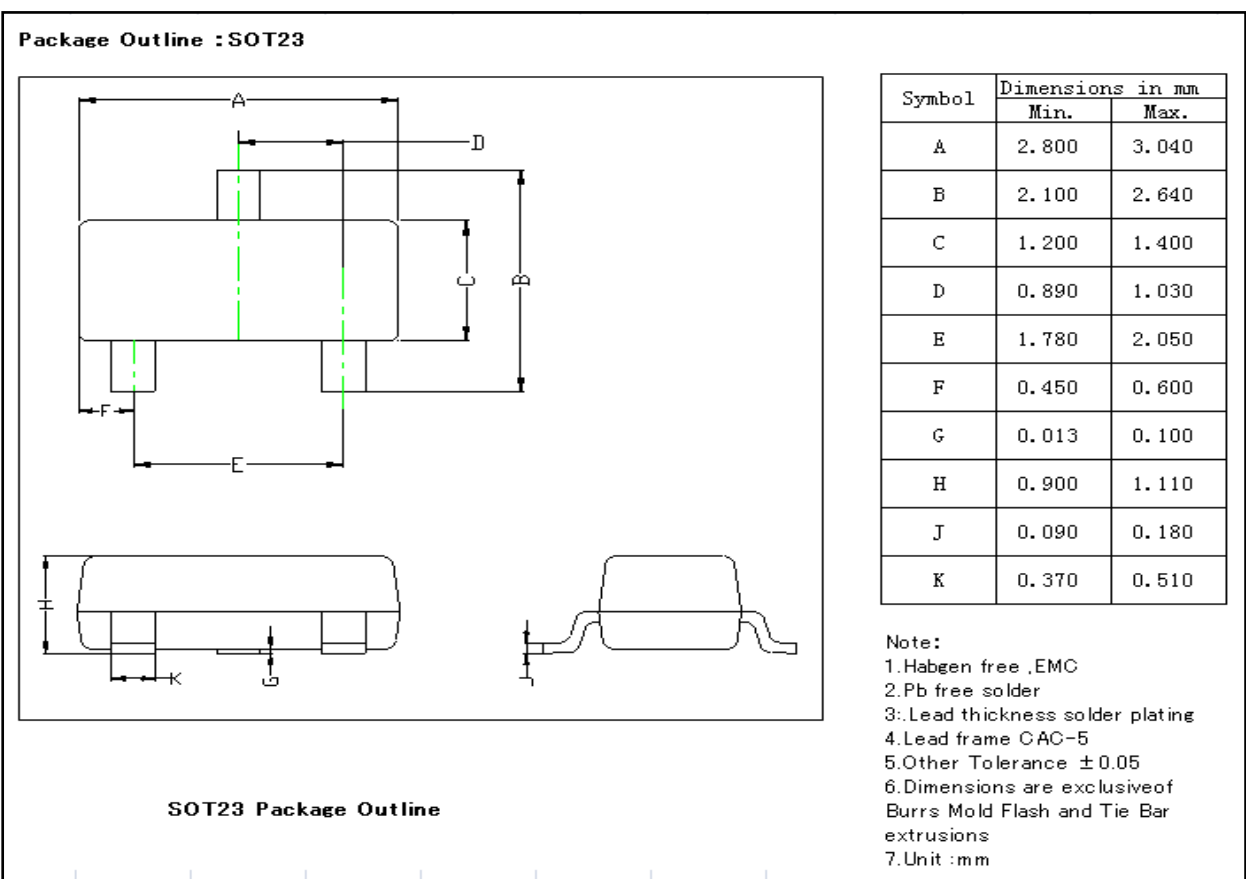
ELECTRICAL CHARACTERISTICS (T_a = 25 °C)

Symbol	Parameter	Test Conditions	Min	Max	Units
V _F	Forward Voltage	I _F =1mA		0.9	V
		I _F =10mA		1.0	V
		I _F =50mA		1.1	V
		I _F =150mA		1.25	V
V _R	Reverse breakdown voltage	I _R =100uA	70		V
I _R	Reverse voltage leakage current	V _R =70V		5	nA
C _D	Diode capacitance	V _R =0V, f=1MHz		2	pF
T _{rr}	Reverse recovery time	I _F = I _R =10mA		3	uS

ORDERING INFORMATION

Device	Package	Shipping	Tape wide	Emboss pitch	Tape specification	Notes
BAV199	SOT23	Tape & Reel 3000pcs /7" Reel	8mm	4mm	Conductive	

PACKAGE DIMENSIONS



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