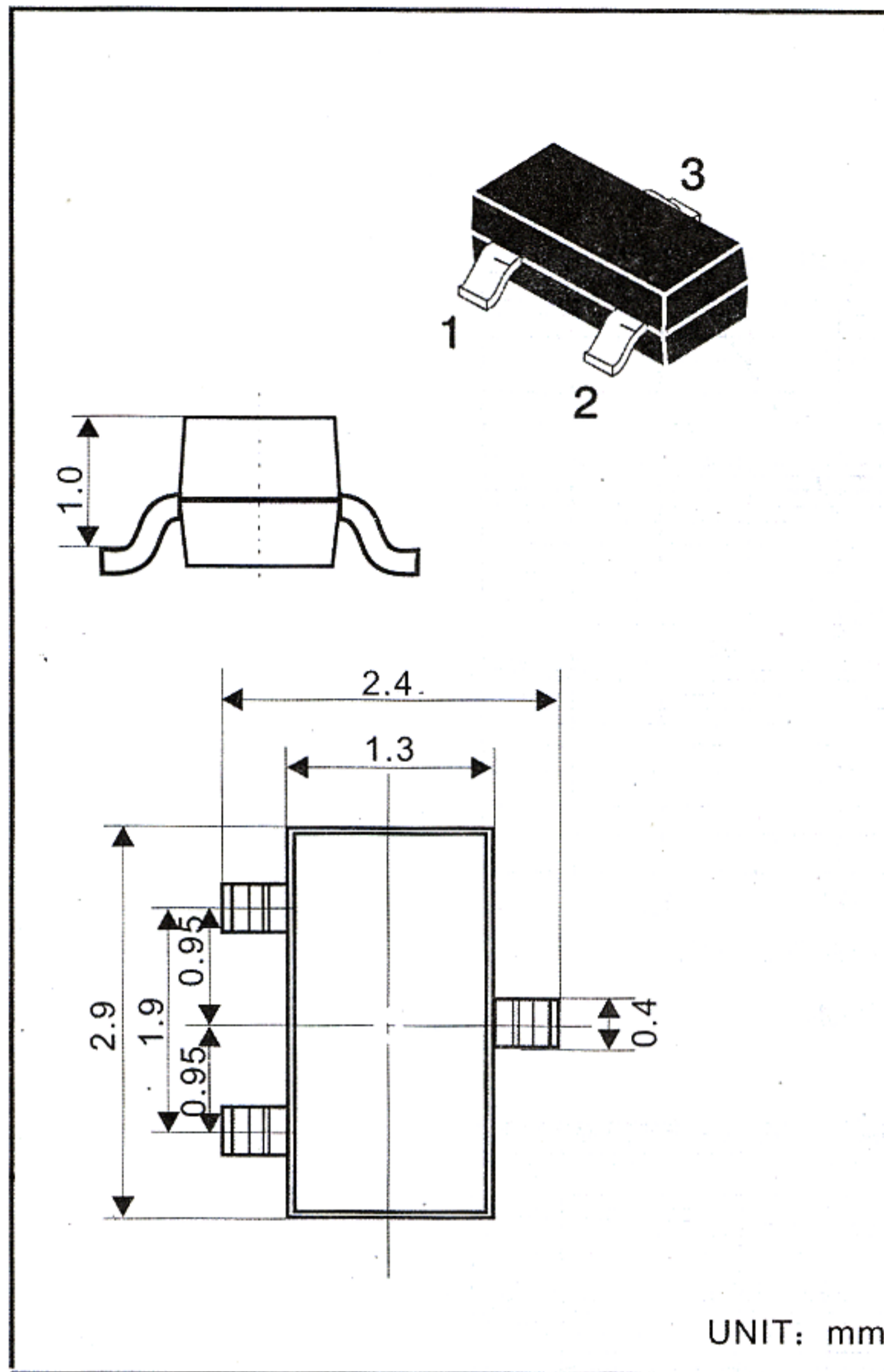


## BAV199LT1 SWITCHING DIODE



### FEATURES

#### Power dissipation

$P_D$ : 225mW ( $T_{amb}=25^\circ\text{C}$ )

#### Forward current

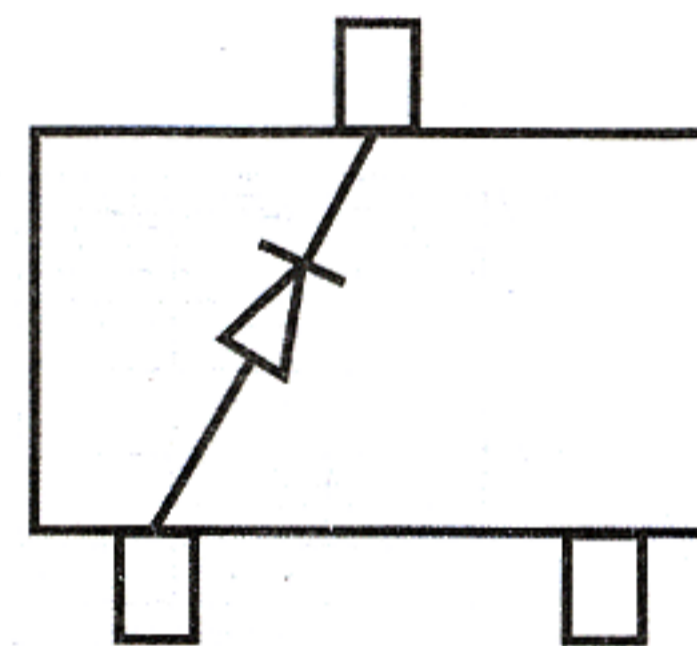
$I_F$ : 215mA

#### Reverse voltage

$V_R$ : 70V

#### Operating and storage junction temperature range

$T_J, T_{stg}$  :  $-55^\circ\text{C}$  to  $+150^\circ\text{C}$



MARKING: JY

### ELECTRICAL CHARACTERISTICS

( $T_{amp}=25^\circ\text{C}$  unless otherwise specified)

Parameter	Symbol	Test conditions	MIN	MAX	UNIT
Reverse breakdown voltage	$V_{(BR)}$	$I_R=100\mu\text{A}$	70		V
Reverse voltage leakage current	$I_R$	$V_R=70\text{V}$		5	nA
Forward voltage	$V_F$	$I_F=1\text{mA}$ $I_F=10\text{mA}$ $I_F=50\text{mA}$ $I_F=150\text{mA}$		900 1000 1100 1250	mV
Diode capacitance	$C_{tot}$	$V_R=0\text{V}, f=1\text{MHz}$		2	pF
Reverse recovery time	$t_{rr}$	$I_F=I_R=10\text{mA}$ $I_{rr}=0.1I_R$		3	ns

