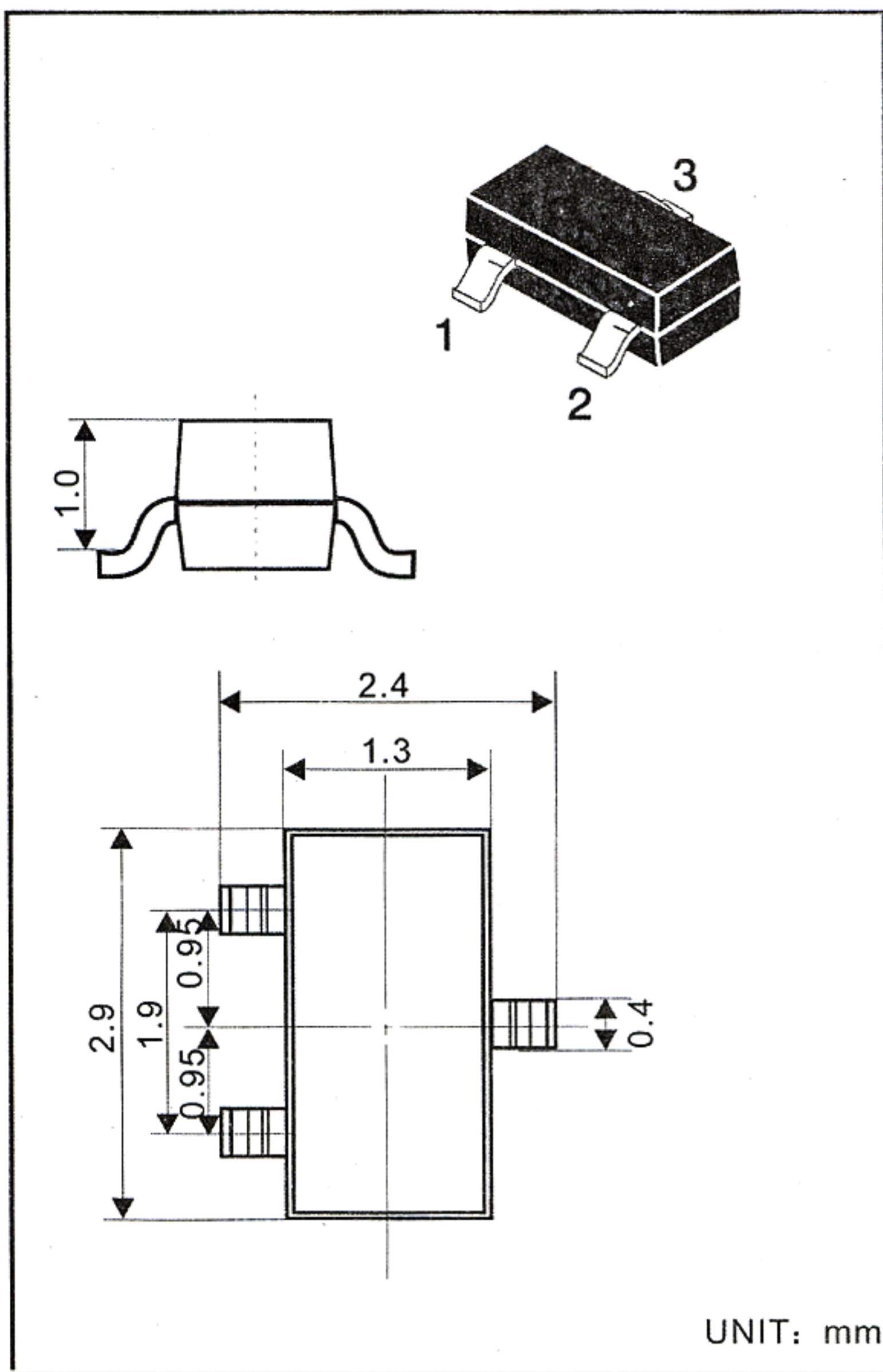


## BAV70LT1 SWITCHING DIODE



### FEATURES

#### Power dissipation

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

#### Forward current

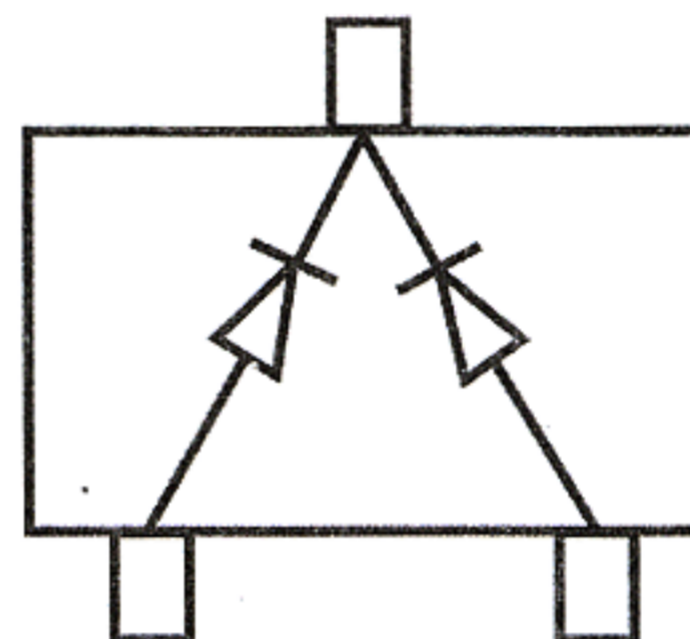
$I_F$ : 200mA

#### Reverse voltage

$V_R$ : 70V

#### Operating and storage junction temperature range

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



MARKING: A4

### ELECTRICAL CHARACTERISTICS

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

Parameter	Symbol	Test conditions	MIN	MAX	UNIT
Reverse breakdown voltage	$V_{(BR)}$	$I_R=100\ \mu A$	70		V
Reverse voltage leakage current	$I_R$	$V_R=70V$		2.5	$\mu A$
Forward voltage	$V_F$	$I_F=1mA$ $I_F=10mA$ $I_F=50mA$ $I_F=150mA$		715 855 1000 1250	mV
Diode capacitance	$C_{tot}$	$V_R=0V, f=1MHz$		1.5	pF
Reverse recovery time	$t_{rr}$	$I_F=I_R=10mA$ $I_{rr}=0.1I_R$		6	ns