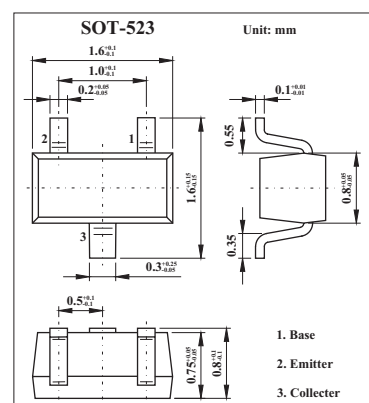


## Switching Diode

**BAS16T;BAW56T**  
**BAV70T;BAV99T**

## ■ Features

■ Absolute Maximum Ratings  $T_a = 25^\circ\text{C}$ 

Parameter	Symbol	Limits	Unit
Power dissipation ( $T_{a\text{ mb}}=25^\circ\text{C}$ )	$P_D$	150	mW
Forward Current	$I_F$	75	mA
Reverse Voltage	$V_R$	85	V
Operating and storage junction temperature range	$T_J, T_{\text{stg}}$	-55 to +150	$^\circ\text{C}$

■ Electrical Characteristics  $T_a = 25^\circ\text{C}$ 

Parameter	Symbol	Conditions	Min	Max	Unit
Reverse breakdown voltage	$V_{(BR)}$	$I_R = 100\ \mu\text{A}$	85		V
Reverse voltage leakage current	$I_R$	$V_R = 75\ \text{V}$		2	$\mu\text{A}$
		$V_R = 25\ \text{V}$		0.03	
Forward voltage	$V_F$	$I_F = 1\ \text{mA}$		715	mV
		$I_F = 10\ \text{mA}$		855	
		$I_F = 50\ \text{mA}$		1000	
		$I_F = 150\ \text{mA}$		1250	
Diode capacitance	$C_D$	$V_R = 0\ \text{V}, f = 1\ \text{MHz}$		1.5	pF
Reverse recovery time	$t_{rr}$			4	ns

## ■ Marking

Type	BAS16T	BAW56T	BAV70T	BAV99T
Marking	A2	JD	JJ	JE