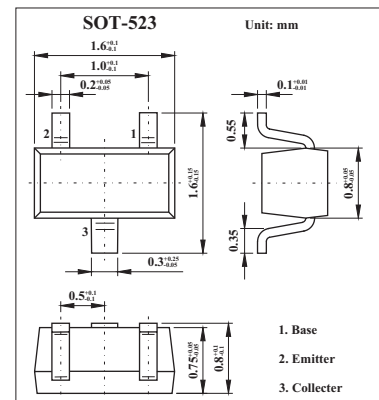


## Schottky Diode

### BAS70T;BAS70T-04 BAS70T-05;BAS70T-06

#### ■ Features

- Low Turn-on voltage
- Fast switching
- Ultra-small surface mount package
- Also available in lead free version



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

Parameter	Symbol	Value	Unit
DC Voltage	$V_{RRM}$	70	V
Forward Continuous Current	$I_{RWM}$	70	mA
Power dissipation	$P_R$	150	mW
Junction and Storage Temperature	$T_J, T_{stg}$	-55 to +150	$^\circ\text{C}$

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

Parameter	Symbol	Conditions	Min	Max	Unit
Reverse breakdown voltage	$V_{(BR)R}$	$I_R = 10 \mu\text{A}$	70		V
Reverse voltage leakage current	$I_R$	$V_R = 50\text{V}$		100	nA
Forward voltage	$V_F$	$I_F = 1\text{mA}$		410	mV
		$I_F = 15\text{mA}$		1000	
Diode capacitance	$C_d$	$V_R = 0, f = 1\text{MHz}$		2	pF
Reverse Recovery Time	$t_{rr}$	$I_F = I_R = 10\text{mA}$ $I_{rr} = 0.1 \times I_R, R_L = 100 \Omega$		5	ns

#### ■ Marking

Type	BAS70T	BAS70T-04	BAS70T-05	BAS70T-06
Marking	7C	7D	7E	7F