

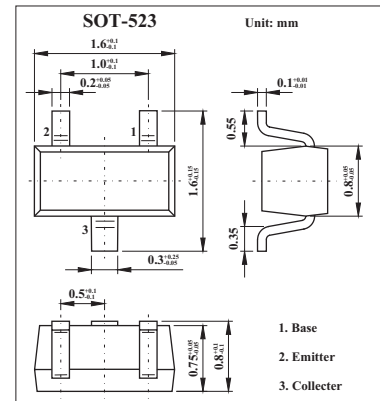
Schottky Diode

BAS70T;BAS70-04T

BAS70-05T;BAS70-06T

■ 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	BAS70-04T	BAS70-05T	BAS70-06T
Marking	7C	7D	7E	7F