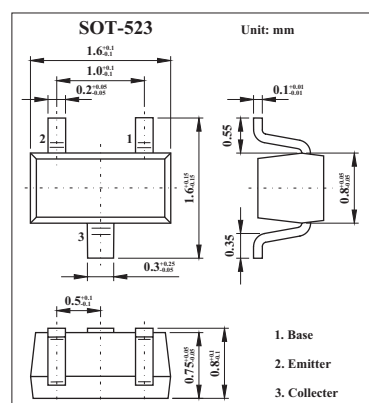


## BAS70T;BAS70-04T BAS70-05T;BAS70-06T

### ■ Features

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



### ■ Absolute Maximum Ratings Ta = 25°C

Parameter	Symbol	Value	Unit
DC Voltage	V <sub>RRM</sub>	70	V
Forward Continuous Current	I <sub>FRM</sub>	70	mA
Power dissipation	P <sub>R</sub>	150	mW
Junction and Storage Temperature	T <sub>J</sub> , T <sub>stg</sub>	-55 to +150	°C

### ■ Electrical Characteristics Ta = 25°C

Parameter	Symbol	Conditions	Min	Max	Unit
Reverse breakdown voltage	V <sub>(BR)R</sub>	I <sub>R</sub> =10 μA	70		V
Reverse voltage leakage current	I <sub>R</sub>	V <sub>R</sub> =50 V		100	nA
Forward voltage	V <sub>F</sub>	I <sub>F</sub> =1 mA		410	mV
		I <sub>F</sub> =15 mA		1000	
Diode capacitance	C <sub>d</sub>	V <sub>R</sub> =0, f=1MHz		2	pF
Reverse Recovery Time	t <sub>rr</sub>	I <sub>F</sub> =I <sub>R</sub> =10 mA I <sub>rr</sub> =0.1X I <sub>R</sub> , R <sub>L</sub> =100 Ω		5	ns

### ■ Marking

Type	BAS70T	BAS70-04T	BAS70-05T	BAS70-06T
Marking	7C	7D	7E	7F