

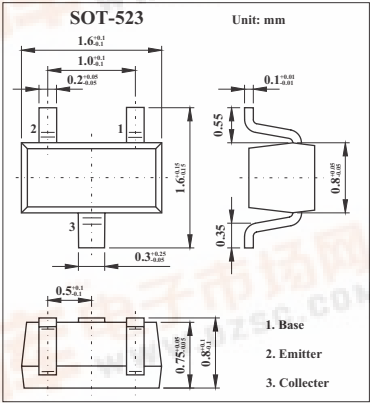
SMD Type

Diodes

Switching Diode

BAS16T;BAW56T
BAV70T;BAV99T

■ Features



■ Absolute Maximum Ratings Ta = 25℃

Parameter	Symbol	Limits	Unit
Power dissipation (Ta mb=25℃)	Pd	150	mW
Forward Current	IF	75	mA
Reverse Voltage	VR	85	V
Operating and storage junction temperature range	TJ, Tstg	-55 to +150	℃

■ Electrical Characteristics Ta = 25℃

Parameter	Symbol	Conditions	Min	Max	Unit
Reverse breakdown voltage	V(BR)	IR = 100 μ A	85		V
Reverse voltage leakage current	IR	VR = 75 V		2	μ A
		VR = 25 V		0.03	
Forward voltage	VF	IF = 1 mA		715	mV
		IF = 10 mA		855	
		IF = 50 mA		1000	
		IF = 150 mA		1250	
Diode capacitance	CD	VR=0 V,f=1MHz		1.5	pF
Reverse recovery time	trr			4	ns

■ Marking

Type	BAS16T	BAW56T	BAV70T	BAV99T
Marking	A2	JD	JJ	JE