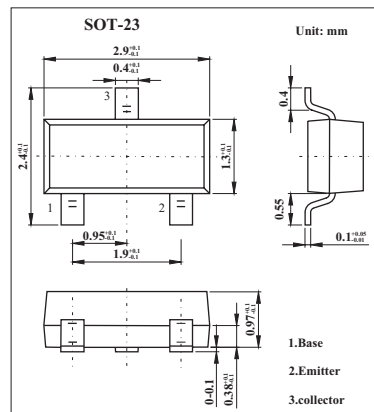


BAT18;BAT18-04 BAT18-05;BAT18-06

■ Features

- Low-loss VHF/UHF switch above 10 MHz
- Pin diode with low forward resistance



■ Absolute Maximum Ratings Ta = 25°C

Parameter	Symbol	Value	Unit
Reverse Voltage	VR	35	V
Forward Current	IF	100	mA
Operating and storage temperature range	Top, Tstg	-55 to +150	°C
Junction - ambient	Rth JA	≤450	K/W

■ Electrical Characteristics Ta = 25°C

Parameter	Symbol	Conditions	Min	Typ	Max	Unit
Forward voltage	VF	IF = 100 mA		0.38	1.2	V
Reverse current	IR	VR = 20 V			20	nA
		VR = 20 V, TA = 60°C			200	
Diode capacitance	CT	VR = 20 V, f = 1 MHz		0.75	1	pF
Forward resistance	rf	IF = 5 mA, f = 100 MHz		0.4	0.7	Ω
Series inductance	Ls			2		nH

■ Marking

Type	BAT18	BAT18-04	BAT18-05	BAT18-06
Marking	A2	AU	AS	AT