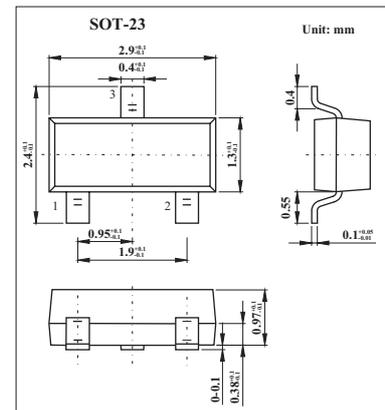


BAT17

■ Features

- Low forward voltage
- Small SMD package
- Low capacitance.



■ Absolute Maximum Ratings Ta = 25 °C

Parameter	Symbol	Min	Max	Unit
Continuous reverse voltage	V _R		4	V
Continuous forward current	I _F		30	mA
Storage temperature	T _{stg}	-65	+150	°C
Junction temperature	T _j		100	°C
thermal resistance from junction to ambient	R _{th j-a}		500	K/W

■ Electrical Characteristics Ta = 25 °C

Parameter	Symbol	Conditions	Max	Unit
Forward voltage	V _F	I _F = 0.1 mA	350	mV
		I _F = 1 mA	450	
		I _F = 10 mA	600	
Reverse current	I _R	V _R = 3 V	0.25	μ A
		V _R = 3 V; T _{amb} = 60 °C	1.25	
Diode forward resistance	r _D	f = 1 KHz; I _F = 5 mA	15	Ω
Diode capacitance	C _d	f = 1 MHz; V _R = 0	1	pF
noise figure	F	f = 900 MHz; Note 1	8	dB

Note

1. The local oscillator is adjusted for a diode current of 2 mA. IF amplifier noise F_{if} = 1.5 dB; f = 35 MHz.

■ Marking

Marking	A3p
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