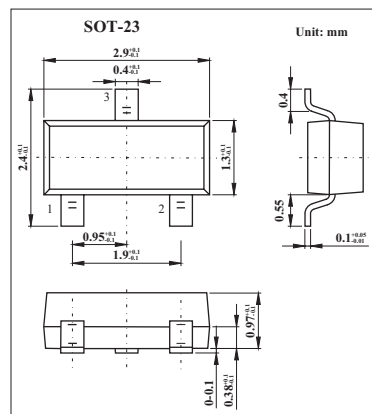


BAT720

■ Features

- Ultra high switching speed
- Low forward current
- Guard ring protected
- Small plastic SMD package



■ Absolute Maximum Ratings Ta = 25°C

Parameter	Symbol	Conditions	Min	Max	Unit
Continuous reverse voltage	V _R			40	V
Continuous forward current	I _F			500	mA
Non-repetitive peak forward current	I _{FSM}	t _p < 10 ms		2	A
Storage temperature	T _{stg}		-65	+150	°C
Junction temperature	T _j			125	°C
thermal resistance from junction to ambient	R _{th j-a}			500	K/W

Note

1. Pulse test: t_p < 300 μs; δ ≤ 0.02.

■ Electrical Characteristics Ta = 25°C

Parameter	Symbol	Conditions	Min	Max	Unit
Forward voltage	V _F	I _F = 500 mA		550	mV
Reverse current	I _R	V _R = 35 V		100	μA
		V _R = 35 V; T _j = 100 °C		10	mA
Diode capacitance	C _d	f = 1 MHz; V _R = 0 V;	60	90	pF

■ Marking

Marking	L6p
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