

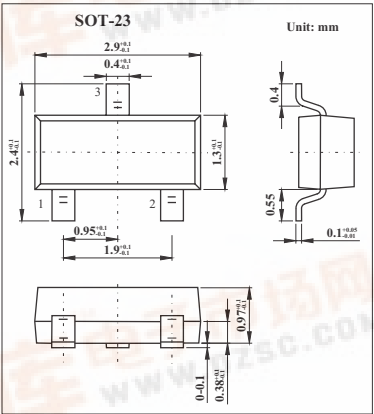
SMD Type

Diodes

Schottky barrier (double) diodes
BAT754 series

■ Features

- Ultra high switching speed
- Guard ring protected
- Small plastic SMD package
- Low diode capacitance.



■ Absolute Maximum Ratings Ta = 25°C

Parameter	Symbol	Conditions	Min	Max	Unit
Continuous reverse voltage	VR			30	V
Continuous forward current	IF			200	mA
Repetitive peak forward current	IFRM	tp < 1 s; δ < 0.5		300	mA
Non-repetitive peak forward current	IFSM	tp = 8.3 ms half sinewave; JEDEC method		600	mA
Storage temperature	Tstg		-65	+150	°C
Junction temperature	Tj			125	°C
Operating ambient temperature	Tamb		-65	+125	°C

■ Electrical Characteristics Ta = 25°C

Parameter	Symbol	Conditions	Min	Max	Unit
Forward voltage	VF	IF = 0.1 mA		200	mV
		IF = 1 mA		260	mV
		IF = 10 mA		340	mV
		IF = 30 mA		420	mV
		IF = 100 mA	600		mV
Reverse current	IR	VR = 25 V; Note 1		2	μA
Diode capacitance	Cd	f = 1 MHz; VR = 1 V		10	pF

Note

1. Pulse test: tp < 300 μs; δ ≤ 0.02.

■ Marking

Type	BAT754	BAT754A	BAT754C	BAT754S
Marking	2K	2L	2M	2N

