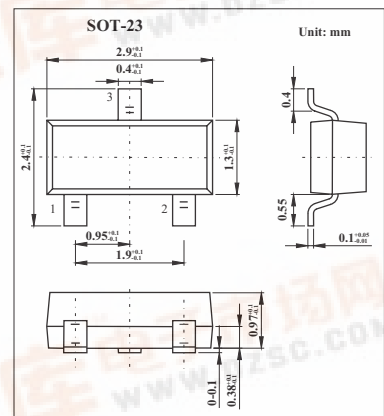


SMD Type Diodes

Schottky barrier (double) diodes
BAT721 series

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			200	mA
Non-repetitive peak forward current	I _{FSM}	t _p = 8.3 ms half sinewave; JEDEC method		1	A
Storage temperature	T _{stg}		-65	+150	°C
Junction temperature	T _j			125	°C

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 = 10 mA		300	mV
		I _F = 100 mA		420	mV
		I _F = 200 mA		550	mV
Reverse current	I _R	V _R = 30 V		15	μA
		V _R = 30 V; T _j = 100 °C		3	mA
Diode capacitance	C _d	f = 1 MHz; V _R = 0 V	40	50	pF

Marking

Type	BAT21	BAT21A	BAT21C	BAT21S
Marking	L7*	L8*	L9*	L0*

