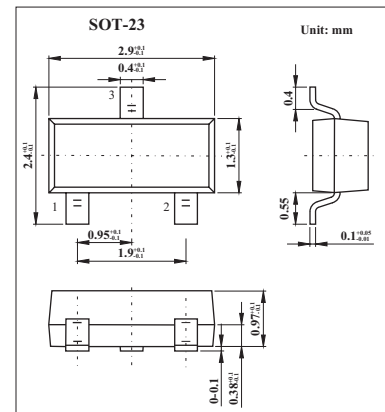


Schottky barrier (double) diodes

BAT721 series

■ Features

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

■ Absolute Maximum Ratings $T_a = 25^\circ\text{C}$

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	$^\circ\text{C}$
Junction temperature	T_j			125	$^\circ\text{C}$

Note

1. Pulse test: $t_p < 300 \mu\text{s}$; $\delta \leq 0.02$.

■ Electrical Characteristics $T_a = 25^\circ\text{C}$

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; $T_j = 100^\circ\text{C}$		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*