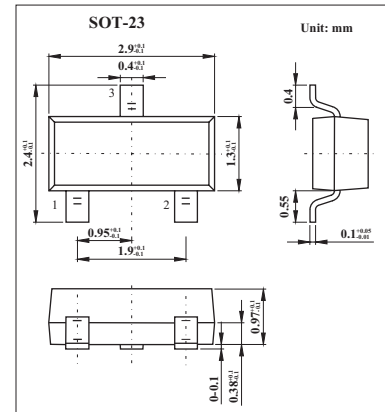


Schottky barrier diode

BAT720

■ 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			500	mA
Non-repetitive peak forward current	I_{FSM}	$t_p < 10\text{ ms}$		2	A
Storage temperature	T_{stg}		-65	+150	$^\circ\text{C}$
Junction temperature	T_j			125	$^\circ\text{C}$
thermal resistance from junction to ambient	$R_{th\ j-a}$			500	K/W

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	$I_F = 500\text{ mA}$		550	mV
Reverse current	I_R	$V_R = 35\text{ V}$		100	μA
		$V_R = 35\text{ V}; T_j = 100\text{ }^\circ\text{C}$		10	mA
Diode capacitance	C_d	$f = 1\text{ MHz}; V_R = 0\text{ V};$	60	90	pF

■ Marking

Marking	L6p
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