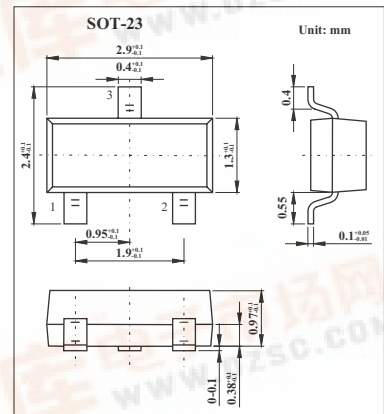


SMD Type Diodes

Schottky barrier diode  
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:  $t_p < 300$   $\mu$  s;  $\delta \leq 0.02$ .

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	$\mu$ A
		$V_R = 35$ 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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