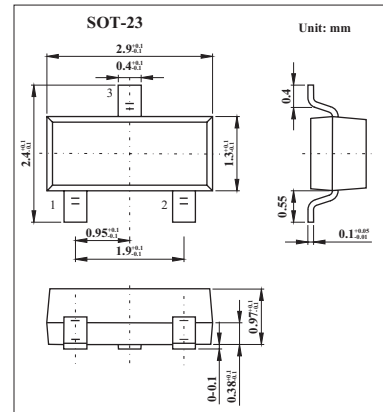


BAR99

■ Features

- For high-speed switching



■ Absolute Maximum Ratings Ta = 25°C

Parameter	Symbol	Value	Unit
Reverse voltage	V _R	70	V
Peak reverse volatge	V _{RM}	70	V
Forward current	I _F	250	mA
Surege forward current, T = 1 μ s	I _{FS}	4.5	A
Total power dissipation, Ts = 54°C	P _{tot}	370	mW
Junction temperature	T _j	150	°C
Storage temperature range	T _{stg}	-65 to +150	°C
Junction ambient (Note 1)	R _{th JA}	≤ 330	K/W
Junction soldering point	R _{th JS}	≤ 260	K/W

Note

1. Package mounted on epoxy pcb 40 mm × 40 mm × 1.5 mm/6 cm² Cu.

BAR99

■ Electrical Characteristics Ta = 25°C

Parameter	Symbol	Conditions	Min	Typ	Max	Unit
Breakdown voltage	V _R	I _R = 100 μ A	70			V
Forward voltage	V _F	I _F = 1 mA			715	mV
		I _F = 10 mA			855	
		I _F = 50 mA			1000	
		I _F = 150 mA			1250	
Reverse current	I _R	V _R = 70 V			2.5	μ A
		V _R = 25 V, T _A = 150 °C			30	
		V _R = 70 V, T _A = 150 °C			50	
Diode capacitance	C _D	V _R = 0 V, f = 1 MHz			1.5	pF
Reverse recovery time	t _{rr}	I _F = I _R = 10 mA, R _L = 100 Ω measured at I _R = 1 mA			6	ns

■ Marking

Marking	JGs
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