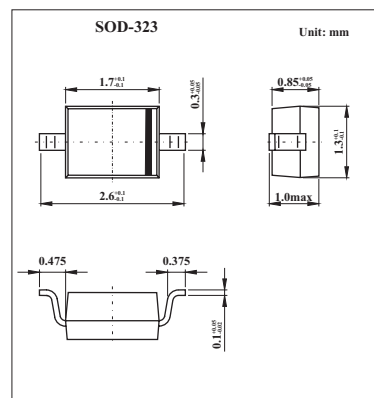


BA592

■ Features

- Small plastic SMD package
- Low diode capacitance
- Low diode forward resistance
- Small inductance.



■ Absolute Maximum Ratings Ta = 25°C

Parameter	Symbol	Conditions	Min	Max	Unit
Continuous reverse voltage	V _R			30	V
Continuous forward current	I _F			100	mA
Total power dissipation	P _{tot}	T _s = 90°C		500	mW
Storage temperature	T _{stg}		-65	+150	°C
Junction temperature	T _j		-65	+150	°C
thermal resistance from junction to soldering point	R _{th j-s}			120	K/W

■ Electrical Characteristics Ta = 25°C

Parameter	Symbol	Conditions	Min	Typ	Max	Unit
Forward voltage	V _F	I _F = 10 mA			1	V
Reverse current	I _R	V _R = 20 V			20	nA
Diode capacitance	C _d	V _R = 1 V; f = 1 MHz;note 1		0.92	1.4	pF
		V _R = 3 V; f = 1 MHz;note 1	0.6	0.85	1.1	
Diode forward resistance	r _D	I _F = 3 mA; f = 100 MHz;note 1		0.45	0.7	Ω
		I _F = 10 mA; f = 101 MHz;note 1		0.36	0.5	
Reverse resistance	1/g _p	V _R = 1 V; f = 100 MHz;note 1		100		K Ω
Series inductance	L _s			2		nH

Note

1.Guaranteed on AQL basis; inspection level S4, AQL 1.0.

■ Marking

Marking	A2
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