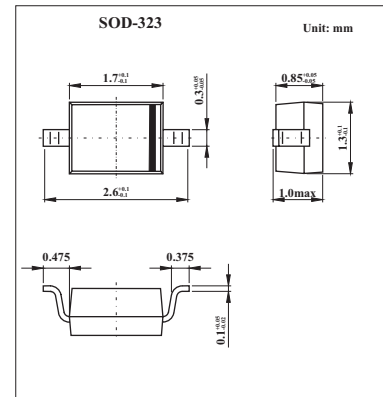


BAT15-03W

■ Features

- DBC mixer applications to 12 GHz
- Low noise figure
- Low barrier type



■ Absolute Maximum Ratings Ta = 25 °C

Parameter	Symbol	Value	Unit
Diode reverse voltage	V _R	4	V
Forward current	I _F	100	mA
Total power dissipation Ts = 70 °C	P _{tot}	100	mW
Operating temperature range	T _{op}	-55 to +150	°C
Storage temperature	T _{stg}	-55 to +150	
Junction ambient ⁽¹⁾	R _{thJA}	≤ 770	K/W
Junction-soldering point	R _{thJS}	≤ 690	K/W

Note:

1. Package mounted on an epoxy pcb 40 mm × 40 mm × 15 mm/1cm² Cu.

■ Electrical Characteristics Ta = 25 °C

Parameter	Symbol	Min	Typ	Max	Unit
Breakdown Voltage I _(BR) = 5 μA	V _(BR)	4			V
Forward voltage I _F = 1 mA I _F = 10 mA	V _F		0.23	0.32	V
			0.32	0.41	
Diode capacitance V _R = 0; f = 1 MHz	C _T			0.35	pF
Differential forward resistance I _F 10 mA/50 mA	R _F		5.5		Ω

■ Marking

Marking	P
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