

1 TO 2 GHz LOW-NOISE AMPLIFIERS

FEATURES

- Ultralow noise figures from 0.4 dB
- Excellent phase and group delay
- Miniaturized for coax or microstrip interface
- Available hermetically sealed for military and space applications (JSS package, Figure C)



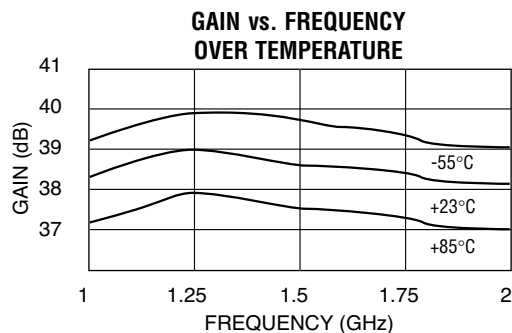
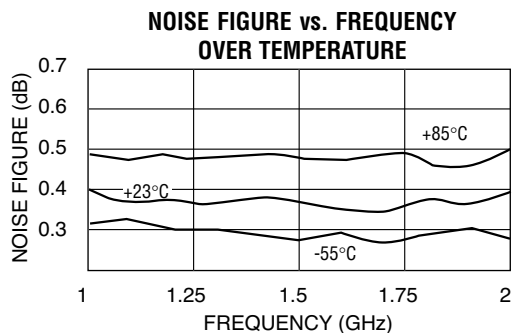
JSM2-01000200-045-10A

SPECIFICATIONS

PARAMETERS *	UNITS	JSM2-01000200-045-10A
Frequency	GHz	1–2
Gain	dB, min.	36
Gain flatness	dB, max.	±1
Noise figure	dB, max.	0.45
Input/output VSWR	Max.	2:1
Phase linearity, over full band	Deg., max.	±5
Unit-to-unit phase tracking	Deg., typ.	±10
Group delay	pS, max.	±25
Output power at 1 dB compression	dBm, min.	10
Output IP ³	dBm, min.	18
Output IP ²	dBm, min.	25
Input power (CW max., survival)	dBm, min.	20
DC power supply, 12 to 20 volts	mA, typ.	295

PLEASE NOTE: Customized combinations of the above-noted electrical specifications are available.

* Electrical parameters are specified at 23°C.



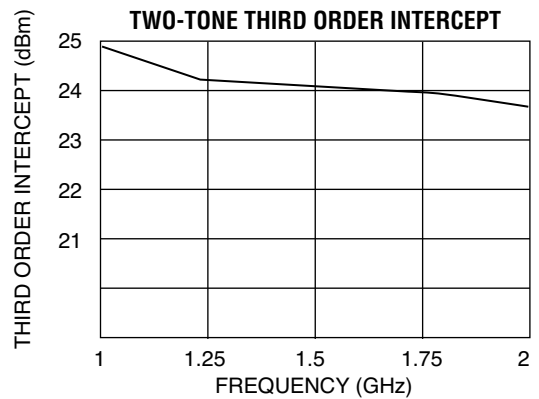
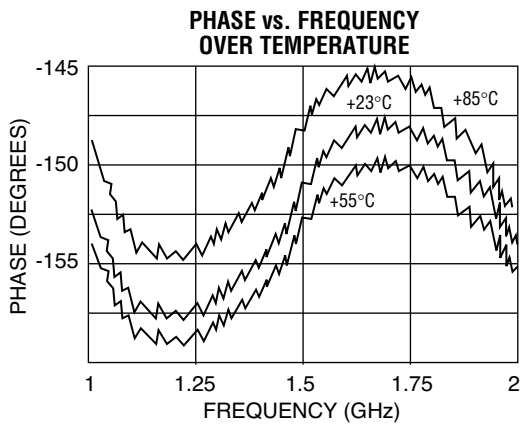
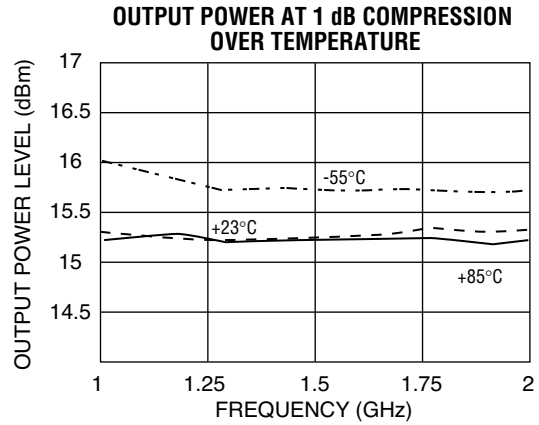
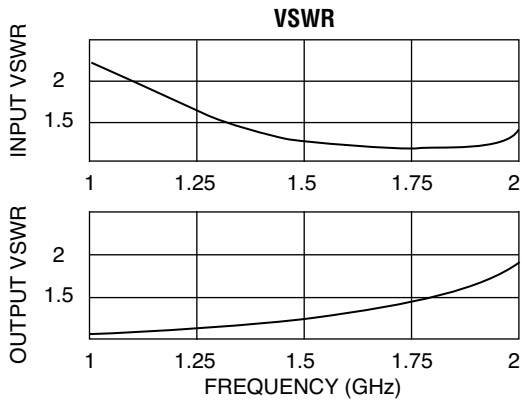
Typical temperature coefficients:

- Gain vs. temperature dB per °C: 0.014
- Noise figure vs. temperature dB per °C: 0.0013
- Phase vs. temperature dB per °C: 0.07

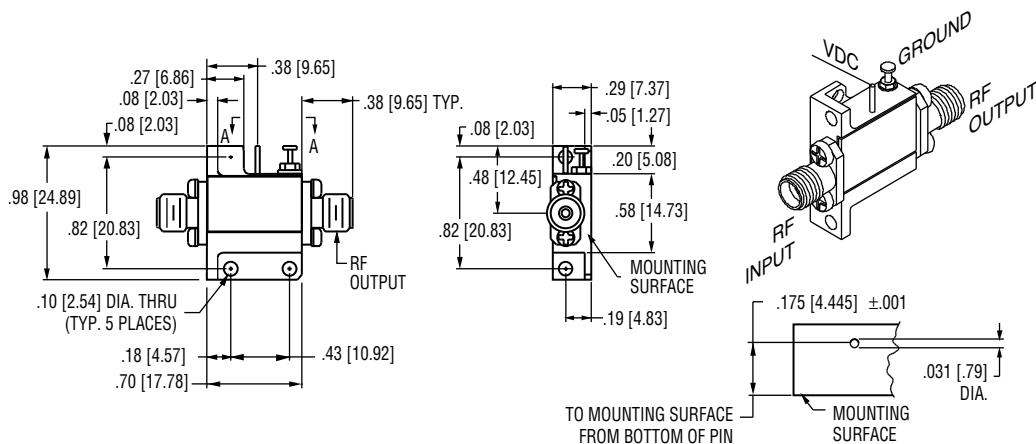
NOTE: The third letter of the part number prefix indicates package style.



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OUTLINE DRAWING



NOTE: DIMENSIONS SHOWN IN BRACKETS [] ARE IN MILLIMETERS.