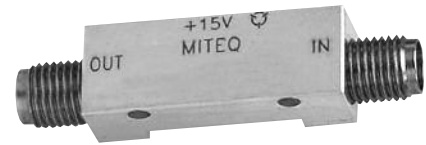


26 TO 40 GHz LOW-NOISE AMPLIFIERS

FEATURES

- Ultralow noise figures from 2.7 dB
- Excellent phase and group delay
- Miniaturized for coax or microstrip interface
- WR28 and drop-in version available
- Military temperature range applications



JS4-26004000-27-8A

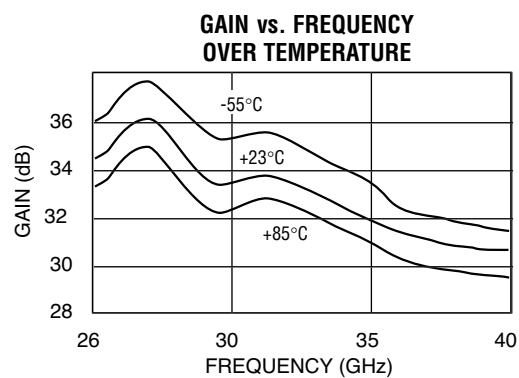
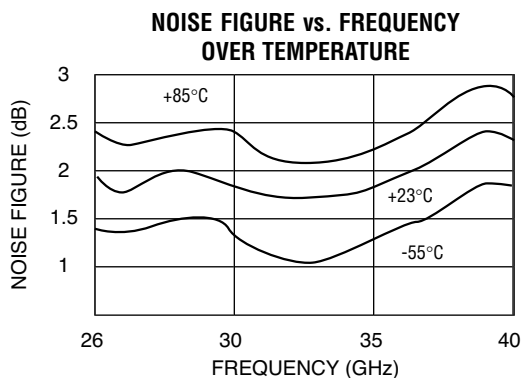
SPECIFICATIONS

PARAMETERS *	UNITS	JS4-26004000-27-8A
Frequency	GHz	26–40
Gain	dB, min.	25
Gain flatness	dB, max.	±2.5
Noise figure	dB, max.	2.7
Input/output VSWR	Max.	2:1
Phase linearity		
Per GHz over complete band	Deg., max.	±5
Over full band	Deg., max.	±10
Unit-to-unit phase tracking	Deg., typ.	±20
Group delay	pS, max.	±50
Output power at 1 dB compression	dBm, min.	8
Output IP ³	dBm, typ.	17
Output IP ²	dBm, typ.	26
Input power (CW max., survival)	dBm, min.	20
DC power supply, 12 to 20 volts	mA, typ.	200

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

* Electrical parameters are specified at 23°C.

** Optionally available in F package (page 38).



Typical temperature coefficients:

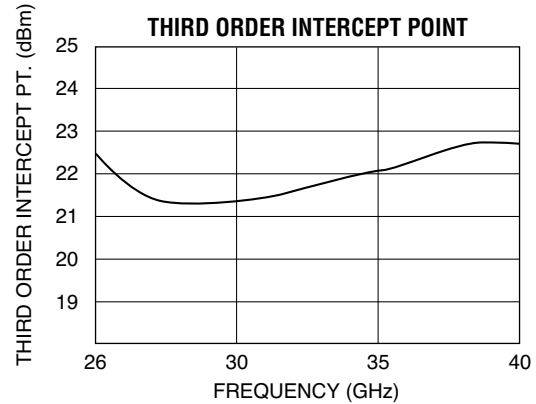
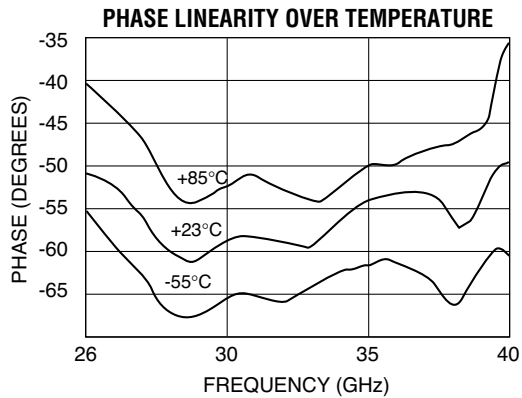
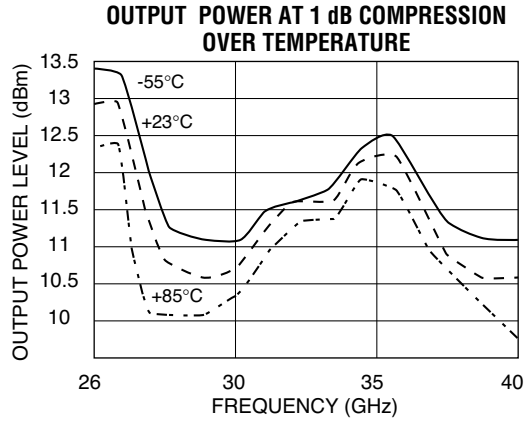
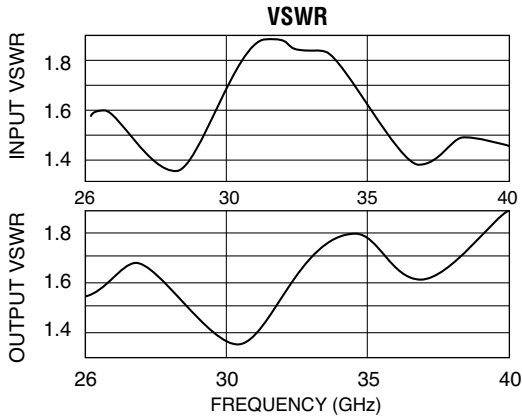
Gain vs. temperature dB per °C: 0.033

Noise figure vs. temperature dB per °C: 0.062

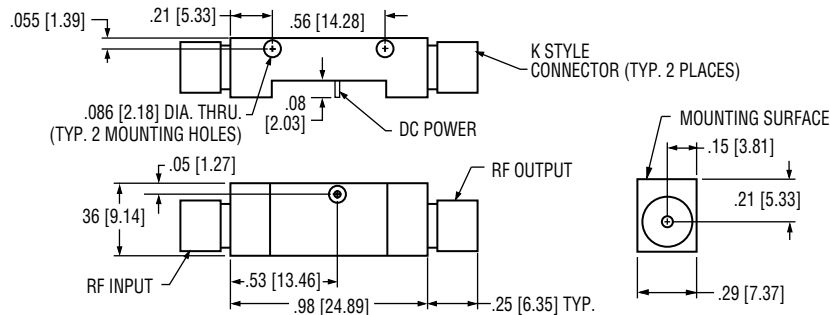
Phase vs. temperature dB per °C: 0.4



26 TO 40 GHz TYPICAL DATA



OUTLINE DRAWING



NOTES: ALSO AVAILABLE IN THE JS4 PACKAGE, WR28 INPUT AND/OR OUTPUT.
DIMENSIONS SHOWN IN BRACKETS [] ARE IN MILLIMETERS.