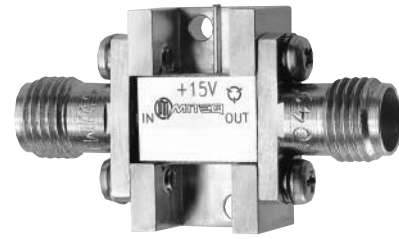


18 TO 26 GHz LOW-NOISE AMPLIFIERS

FEATURES

- Ultralow noise figures from 1.9 dB
- Excellent phase and group delay
- Miniaturized for coax or microstrip interface
- Available hermetically sealed
- Military temperature range applications



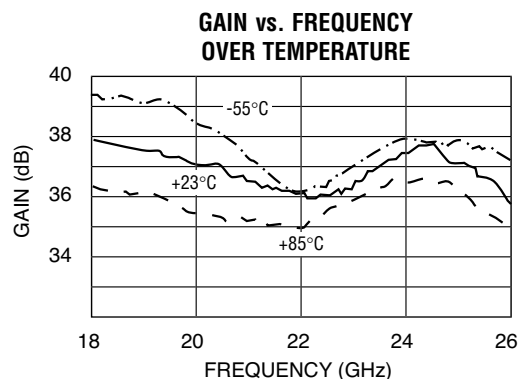
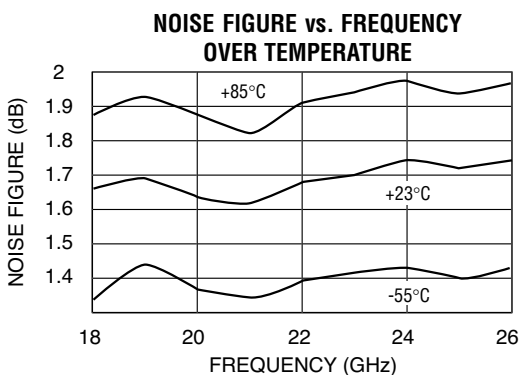
JSD4-18002600-18-8A

SPECIFICATIONS

PARAMETERS *	UNITS	JSD4-18002600-18-8A	JSD3-18002600-21-8A
Frequency	GHz	18–26	18–26
Gain	dB, min.	35	24
Gain flatness	dB, max.	±1.5	±1
Noise figure	dB, max.	1.9	2.1
Input/output VSWR	Max.	2:1	2:1
Phase linearity			
Per GHz over complete band	Deg., max.	±5	±5
Over full band	Deg., max.	±10	±10
Unit-to-unit phase tracking	Deg., typ.	±15	±15
Group delay	pS, max.	±50	50
Output power at 1 dB compression	dBm, min.	8	8
Output IP ³	dBm, min.	16	16
Output IP ²	dBm, min.	25	25
Input power (CW max., survival)	dBm, min.	20	20
DC power supply, 12 to 20 volts	mA, typ.	200	175

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

* Electrical parameters are specified at 23°C.



Typical temperature coefficients:

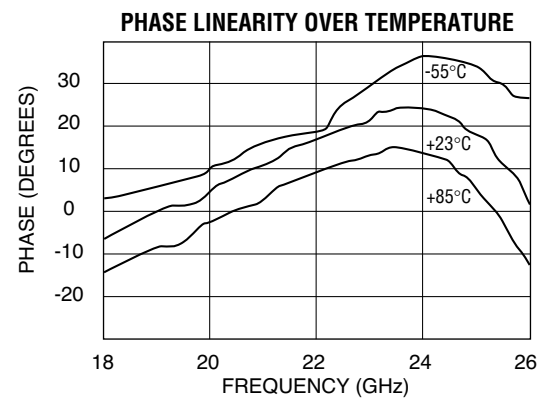
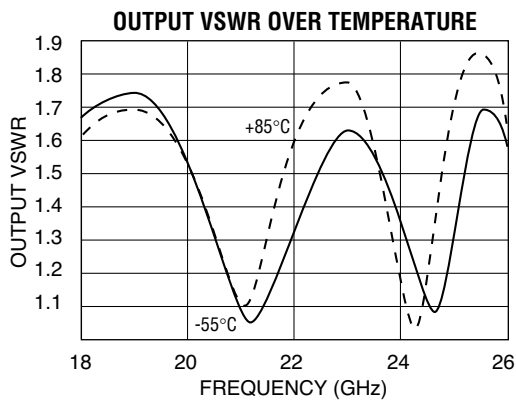
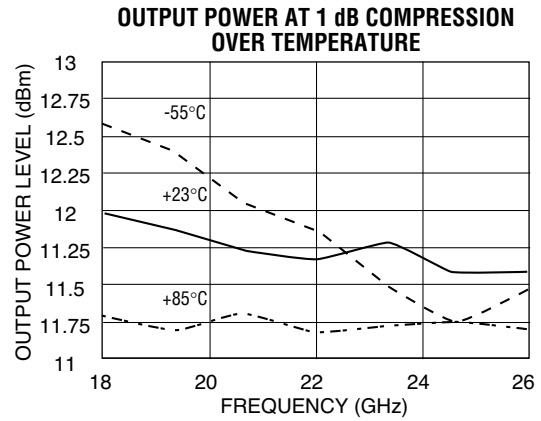
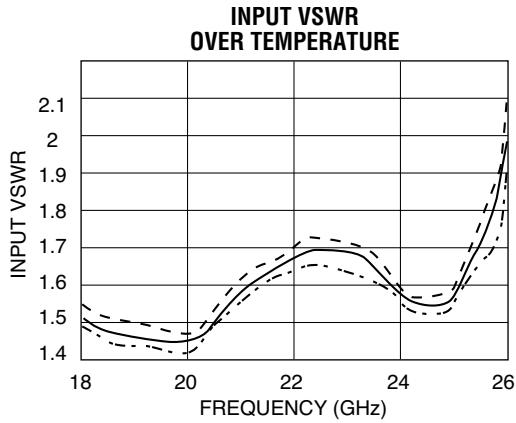
Gain vs. temperature dB per °C: 0.02
 Noise figure vs. temperature dB per °C: 0.035
 Phase vs. temperature dB per °C: 0.4

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

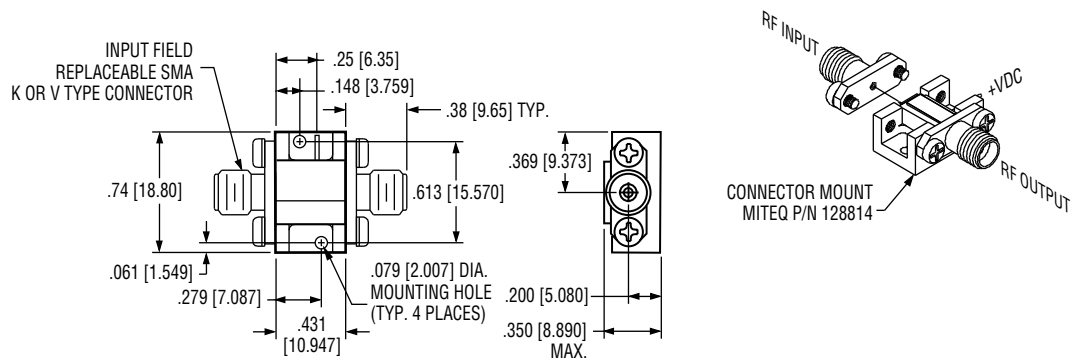


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18 TO 26 GHz TYPICAL DATA



OUTLINE DRAWING



NOTES: ALSO AVAILABLE WITH WR42 INPUT AND/OR OUTPUT.
 DIMENSIONS SHOWN IN BRACKETS [] ARE IN MILLIMETERS.