

LO BUFFER-AMPLIFIER

A-1844



Features

- Frequency Range 18.0 to 44.0 GHz
- 0 to +5 dBm Typical Input Power
- +16 dBm Typical Saturated Output Power

Electrical Specifications - Specifications guaranteed from -30 to +70°C, measured in a 50-Ohm system.

Parameter	Frequency (GHz)	Min	Typ	Max
Input (dBm)	18.0-44.0		0 to +5	
Saturated Output Power (dBm)	18.0-44.0	+10	See Plot	
Small Signal Gain (dB)	18.0-44.0		See Plot	
Noise Figure (dB)	18.0-44.0		6	
Bias Requirements (mA) ¹				
+3.5 Volts DC			320	400
-5.0 Volts DC			< 5	20

¹It is required that the negative bias be applied before or concurrent with the positive bias.

Model Number	Description	Package Style
A-1844	18.0 to 44.0 GHz Amplifier (2.92 mm F-M connectors)	ESP

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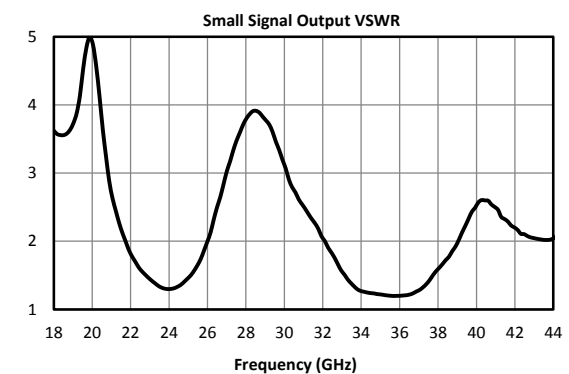
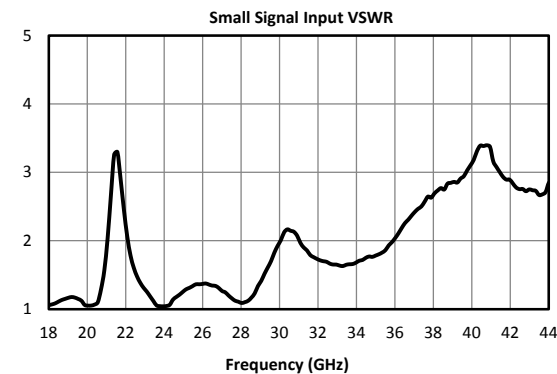
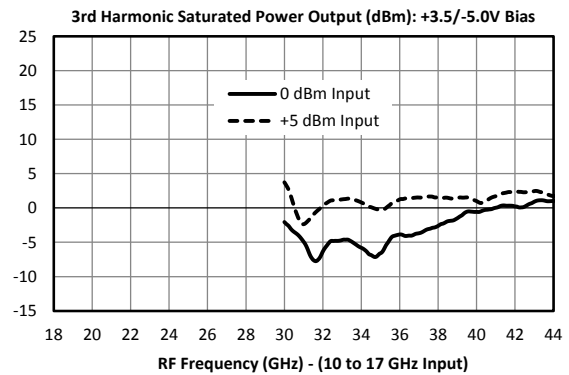
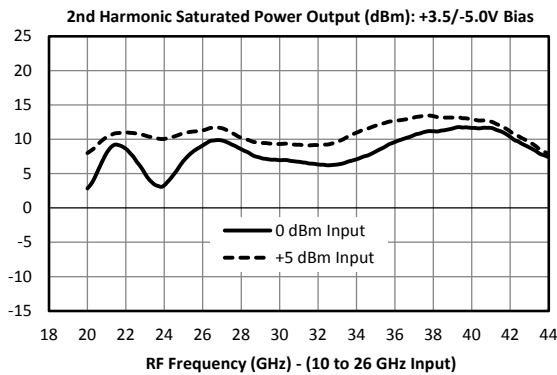
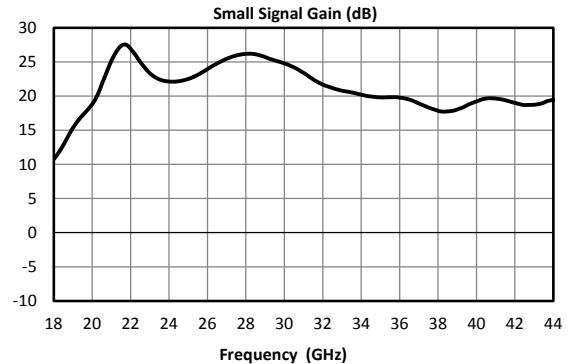
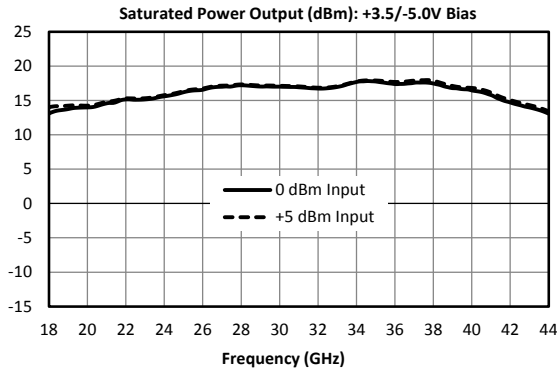
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Frequency 18.0 to 44.0 GHz

Typical Performance



DATA SHEET NOTES:

1. Maximum input power without damage is +18 dBm at +70°C.
2. A heat sink is required for long term operation.
3. Specifications are subject to change without notice. Contact Marki Microwave for the most recent specifications and data sheets.

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