Model # BXMP1260

Medium Power RF Amplifier

Frequency Range: 50 MHz to 1000 MHz

Features

- High Output Power
- High Linearity
- EAR99
- Unconditionally Stable

Model BXMP1260 is a high performance medium power amplifier covering a wide 50 MHz to 1000 MHz bandwidth. This design also offers excellent linearity, excellent output power coupled with a laser welded housing for the ultimate in environmental protection. This standard model may also be modified or customized in order to optimize any one particular parameter). All specification ratings are based on measurements in a 50 Ω (ohm) system with a DC supply voltage tolerance of +/- 2%.

Technical Specifications

Parameter	Typical 25°C	Min/Max 0°C to +50°C
Frequency Range	50 MHz – 1000 MHz	50 MHz – 1000 MHz
Gain	10	8
Noise Figure	4.0	5.5
Output Power @ 1 dB Compression	+37	+34.5
Output 3rd Order Intercept	+61	---
Output 2nd Order Intercept	+95	---
Reverse Isolation	18	---
Input VSWR	1.5:1	2.0:1
Output VSWR	1.5:1	2.0:1
Supply Voltage	+15	+15
Supply Current	2400	2500

Maximum Ratings

Maximum (No Damage) Ratings	
Storage Temperature	-62°C to +125°C
Operating Temperature	-55°C to +100°C
DC Voltage @ 25°C	+17 volts
Input Drive @ 25°C (CW)	+30 dBm

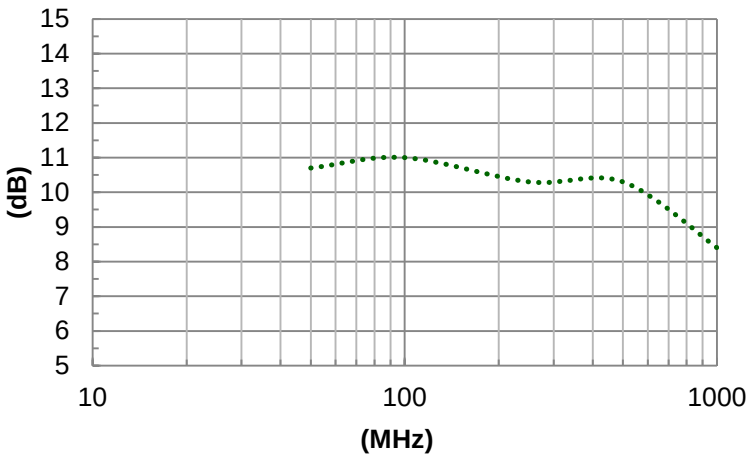
- Typical values are measured at 25°C, but not guaranteed.
- All specifications noted when measured into a 50 ohm load.
- Intermods Measured Midband

Mechanical & Electrical

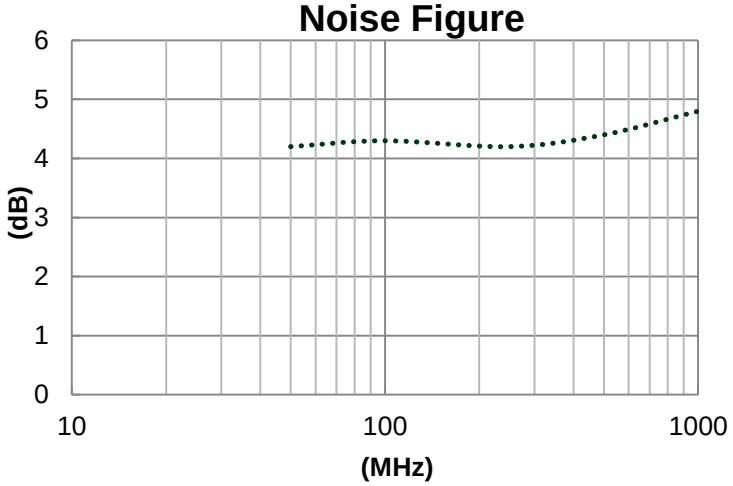
Parameter	Specification
Specification Temperatures (Min/Max)	0°C to +50°C
Housing Size	3.60” L x 2.98” W x 0.75” H
Housing Connectors	SMA Connectorized

Typical Performance Graphs

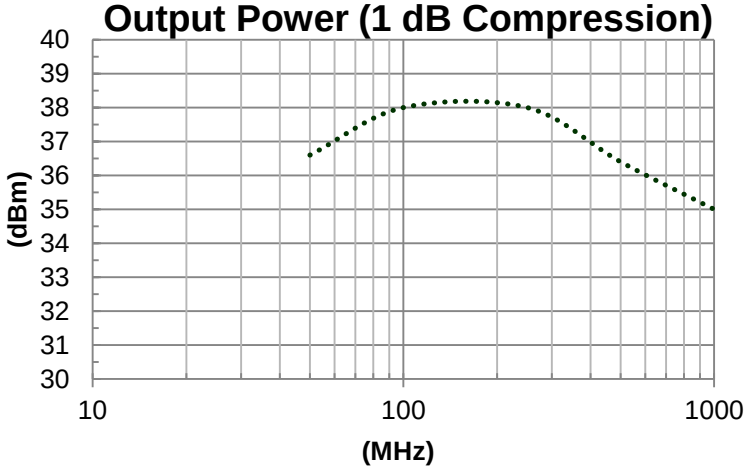
Gain



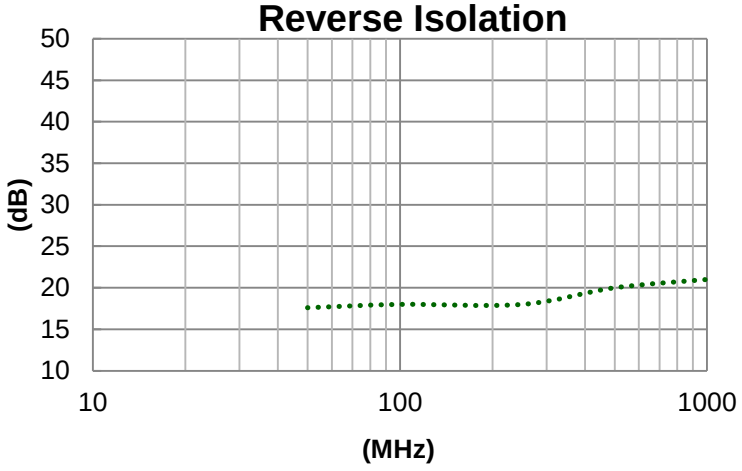
Noise Figure



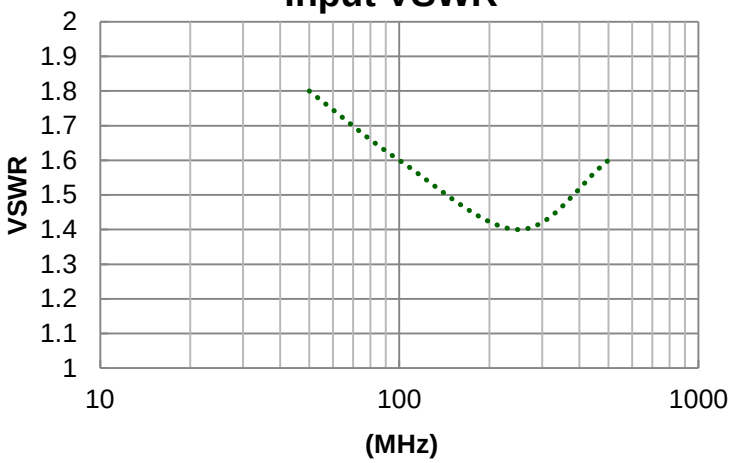
Output Power (1 dB Compression)



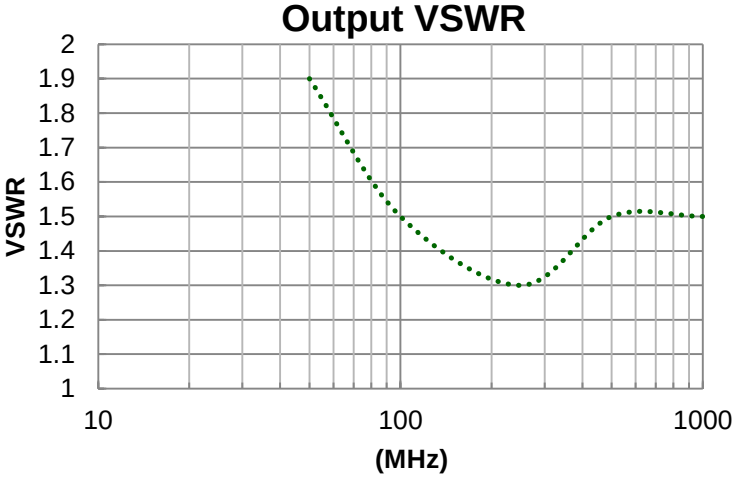
Reverse Isolation



Input VSWR



Output VSWR



Instructions

Grounding Instructions	Care should be taken to effectively ground each unit.
Revisions	API reserves the right to make revisions to both product and/or the information contained within their datasheets without advanced notice.
Min./Max. Values	Specifications are guaranteed when tested in a 50 Ω (ohm) system.
Typical performance graphs and values are measured at 25°C, but not guaranteed.