

CMC-0.5G10G-3224-S is a wideband medium power amplifier providing up to 24 dBm and a gain of 32 dB. The compact size and modularity makes it ideal for a wide range of applications.

Features:

- Frequency Range:0.5-10.0 GHz
- P1dB: 24 dBm Min
- Flat Small Signal Gain: 32 dB Typ
- Small size, low cost
- Unconditionally Stable

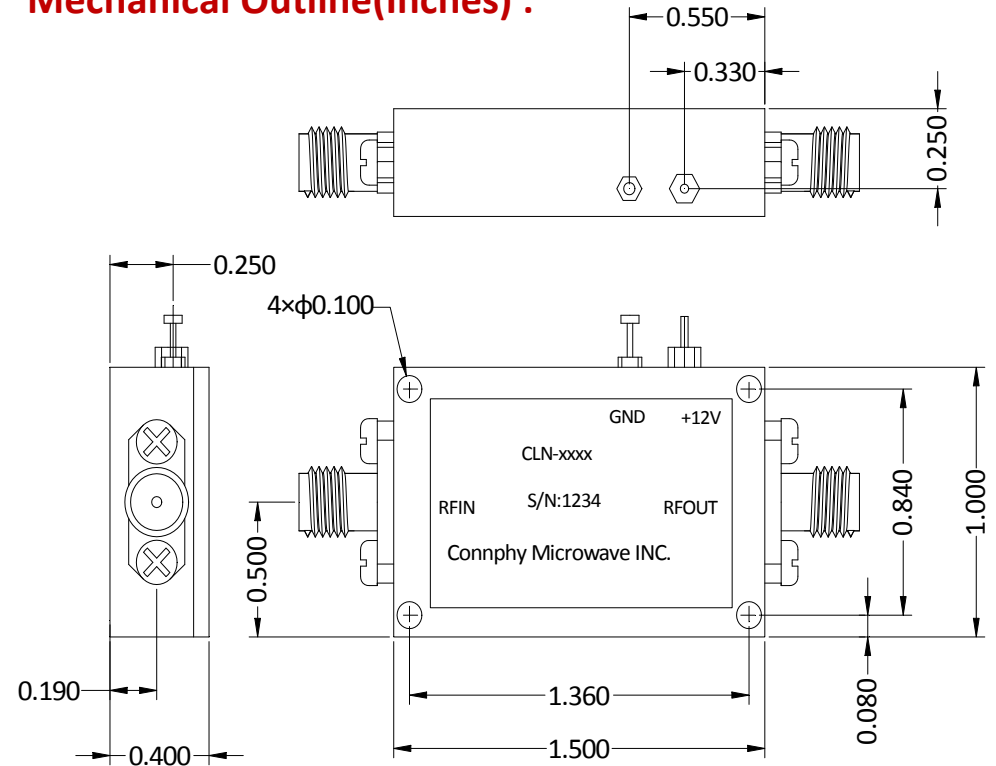
Specifications:


Frequency:	0.5- 10.0 GHz
Gain:	32 dB Typ, 28 dB Min
Gain Flatness:	±1.0 dB Typ, ±1.5 dB Max
Noise Figure:	3.0 dB Typ, 5.0 dB Max
Output P1dB:	24.0 dBm Min
Output IP3:	33 dBm Typ
VSWR Input:	1.8:1 Typ,2.0:1 Max
VSWR Output:	1.8:1 Typ,2.0:1 Max
Non-Harmonic Spurious:	-60 dBc Max
DC Voltage:	+10 V to +12 V DC
DC Supply Current:	375 mA Typ

Environmental Ratings:

Temperature:	-40°C to +75 °C Operating -55 °C to +125 °C Non-Operating
Vibration:	MIL-STD-202F, Method 204D Cond. B
Altitude:	MIL-STD-202F, Method 105C Cond. B
Temperature Cycle:	MIL-STD-202F, Method 107D Cond. A

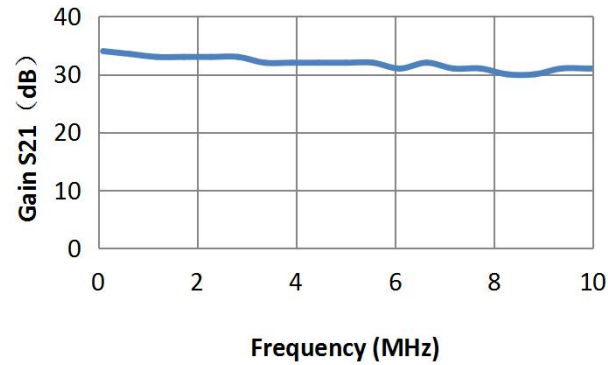
Mechanical Outline(Inches) :



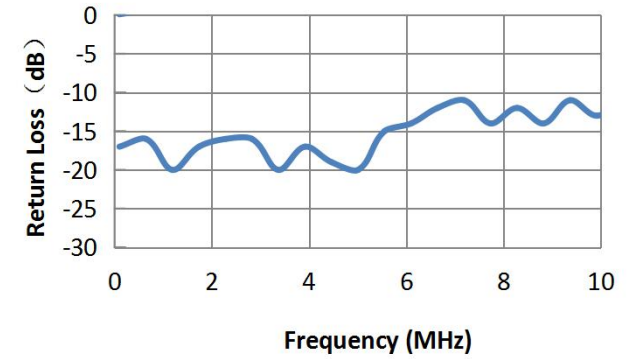
Medium Power Amplifier CMC-0.5G10G-3224-S			
DRAWN:	DWG NO.:	REV CODE: Rev.1.0	 www.connphy.com sales@connphy.com
CHECKRD:	DATE: 12/10/15	SHEET : 1 OF 2	
ISSUED:	SIZE: A	SCALE : N / A	
			Notes: SPEC ARE SUBJECT TO CHANGE WITHOUT NOTICE.

Typical Performance Data:

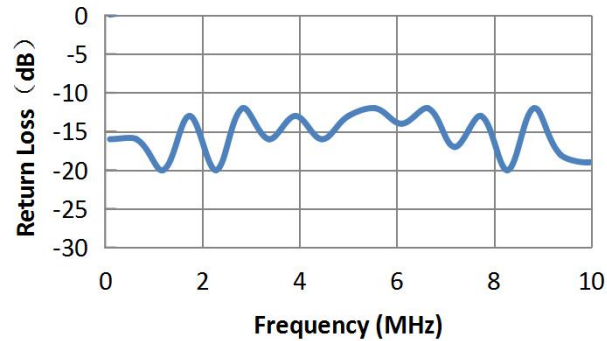
Gain S21



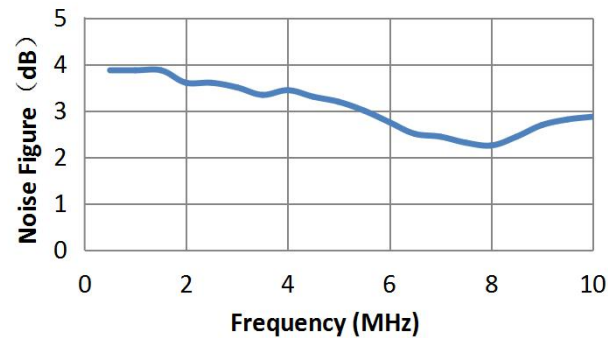
S11



S22



Noise Figure



Note: Test data taken with case temperature of +23 °C

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Temperature: -40°C to +75 °C Operating
 -55 °C to +125 °C Non-Operating

Vibration: MIL-STD-202F, Method 204D Cond. B

Altitude: MIL-STD-202F, Method 105C Cond. B

Temperature Cycle: MIL-STD-202F, Method 107D Cond. A

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