

CMC-8G12G-2231-S is a wideband medium power amplifier providing up to 31 dBm and a gain of 22 dB. The compact size and modularity makes it ideal for a wide range of applications.

Features:

- Frequency Range: 8.0 to 12.0 GHz
- P1dB: 31 dBm Typ
- Flat Small Signal Gain: 22 dB Typ
- Small size, low cost
- Heat sink is available

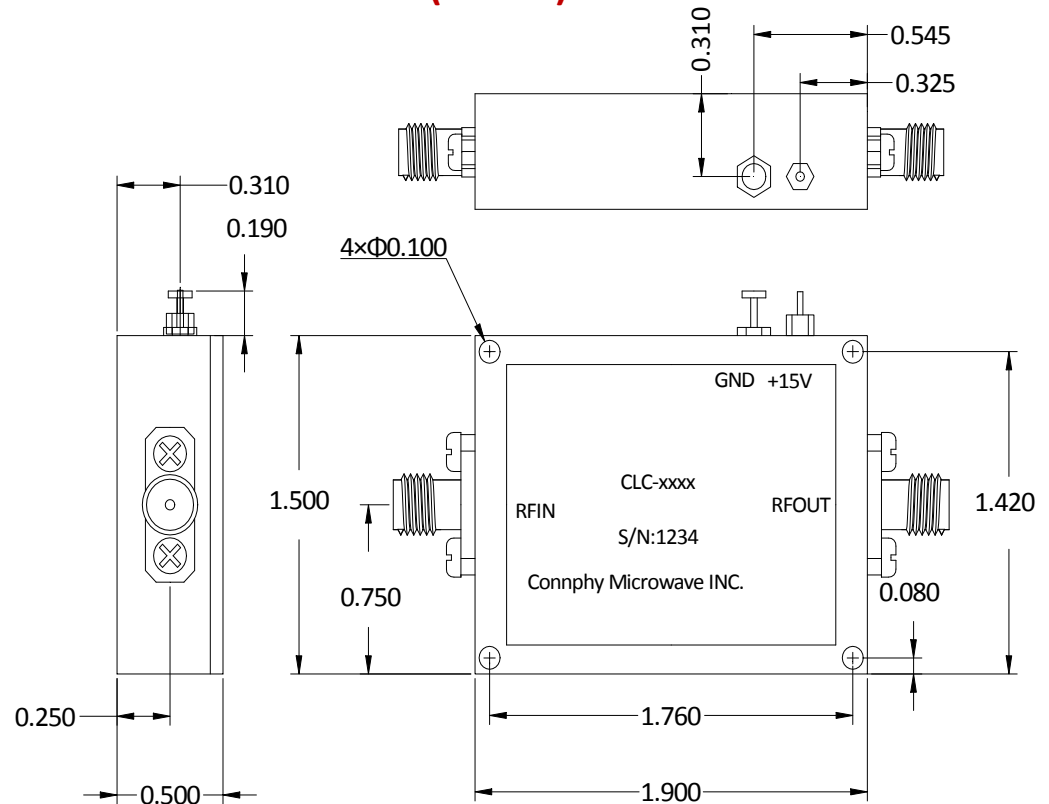
Specifications:


Frequency:	8.0-12.0 GHz
Gain:	22 dB Typ, 19 dB Min
Gain Flatness:	± 1.5 dB Max
Noise Figure:	7.0 dB Typ, 8.0 dB Max
Output P1dB:	31.0 dBm Typ, 30.0 dBm Min
Output IP3 :	38 dBm Typ
Non-Harmonic Spurious:	-60 dBc Typ
Reverse Isolation:	35 dB Typ
VSWR Input:	1.6:1 Typ, 2.0:1 Max
VSWR Output:	1.6:1 Typ, 2.0:1 Max
DC Voltage:	+12 V to +15 V DC
DC Supply Current:	600 mA Typ
RF Connector:	SMA female

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-8G12G-2231-S			
DRAWN:	DWG NO.:	REV CODE: Rev.1.0	 www.connphy.com sales@connphy.com
CHECKRD:	DATE: 12/10/15	SHEET : 1 OF 1	
ISSUED:	SIZE: A	SCALE : N / A	
			Notes: SPEC ARE SUBJECT TO CHANGE WITHOUT NOTICE.