

**CMC-12G18G-4131-K** is a wideband medium power amplifier providing up to 31 dBm and a gain of 41 dB. The compact size and modularity makes it ideal for a wide range of applications.

**Features:**

- Frequency Range: 12.0 to 18.0 GHz
- P1dB: 31 dBm Typ
- Flat Small Signal Gain: 41 dB Typ
- Small size, low cost
- Unconditionally Stable

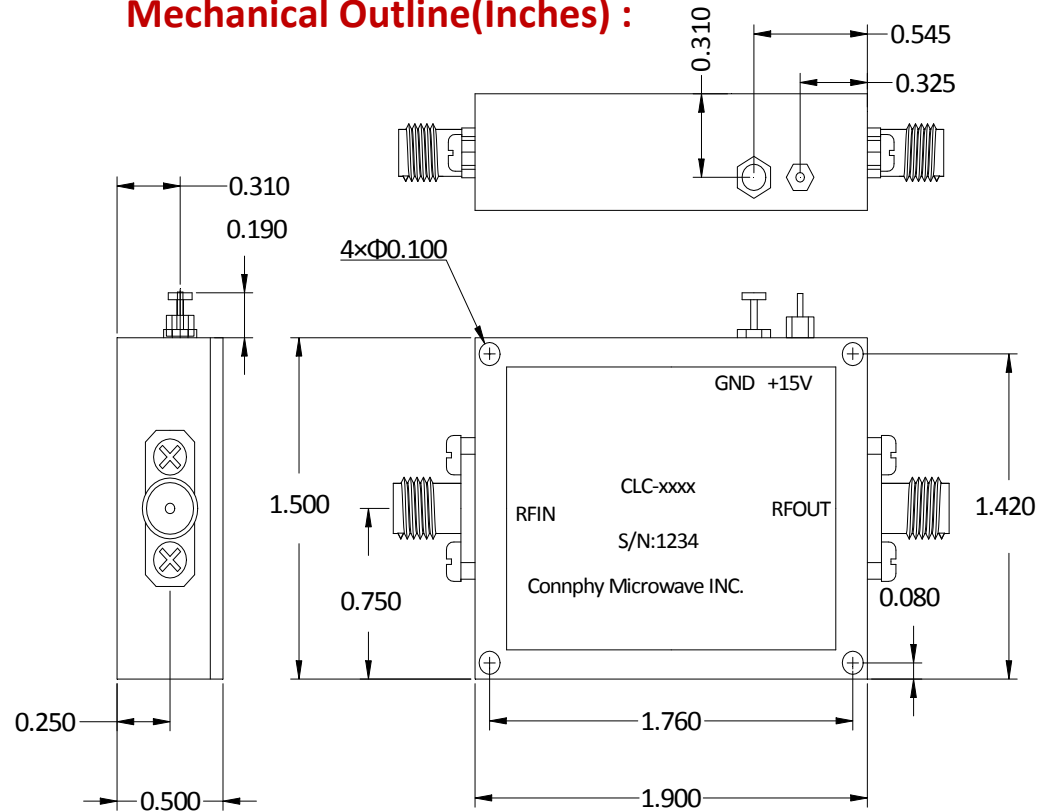
**Specifications:**


Frequency:	12.0-18.0 GHz
Gain:	41 dB Typ, 36 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 :	40 dBm Typ
Non-Harmonic Spurious:	-60 dBc Typ
VSWR Input:	2.5:1 Typ
VSWR Output:	2.5:1 Typ
DC Voltage:	+10 V to +15 V DC
DC Supply Current:	1200 mA Typ
RF Connector:	2.92mm 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-12G18G-4131-K			
DRAWN:	DWG NO.:	REV CODE: Rev.1.0	 <a href="http://www.connphy.com">www.connphy.com</a> <a href="mailto:sales@connphy.com">sales@connphy.com</a>
CHECKRD:	DATE: 12/10/15	SHEET : 1 OF 1	
ISSUED:	SIZE: A	SCALE : N / A	
			Notes: SPEC ARE SUBJECT TO CHANGE WITHOUT NOTICE.