

**CMP-0.1G22G-3329-K** is a wideband medium power amplifier providing up to 29 dBm and a gain of 33 dB. The compact size and modularity makes it ideal for a wide range of applications.

**Features:**

- Frequency Range: 0.1 to 22.0 GHz
- P1dB: 29 dBm Typ
- Flat Small Signal Gain: 33 dB Typ
- Small size, low cost
- Unconditionally Stable

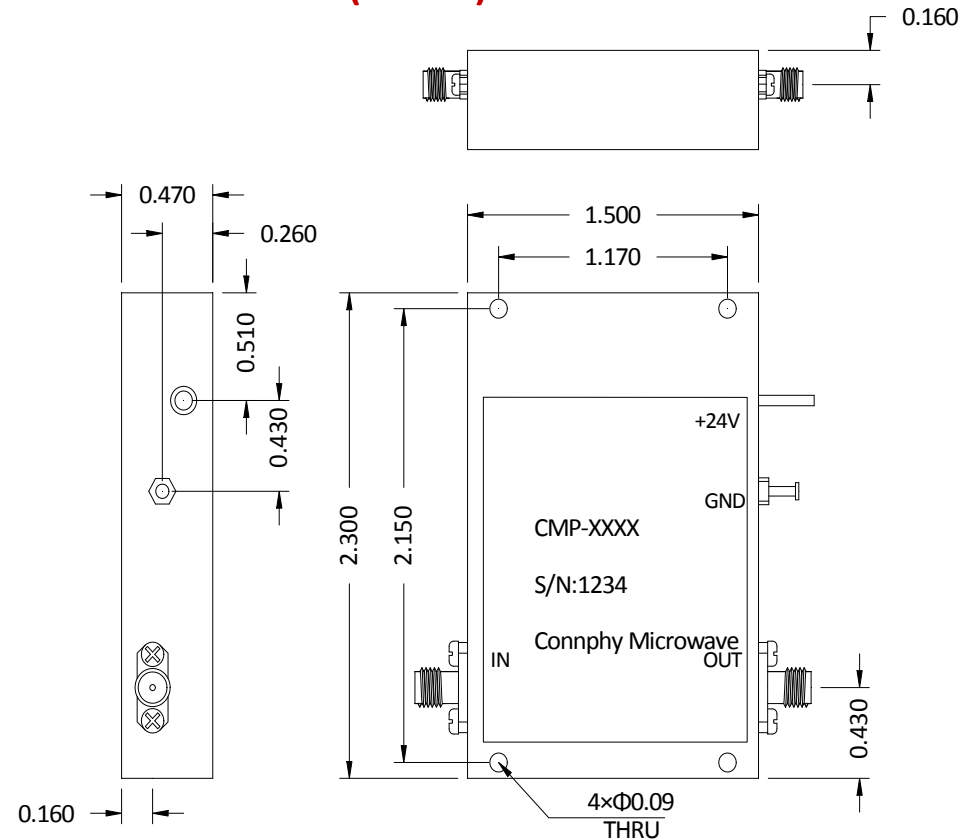
**Specifications:**


Frequency:	0.1-22.0 GHz
Gain:	33 dB Typ, 30 dB Min
Gain Flatness:	±2.0 dB Typ
Output P1dB:	29 dBm Typ, 26 dBm Min
Output Psat:	30 dBm Typ, 27 dBm Min
Output IP3:	36 dBm Typ
Reverse Isolation:	60 dB Typ
VSWR Input:	1.6:1 Typ, 2.0:1 Max
VSWR Output:	1.6:1 Typ, 2.0:1 Max
DC Voltage:	+24 V Typ
DC Supply Current:	850 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

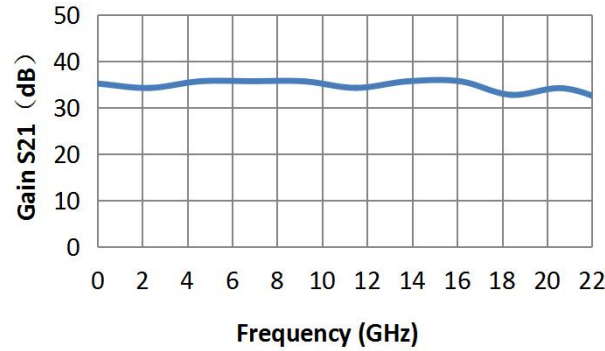
**Mechanical Outline(Inches) :**



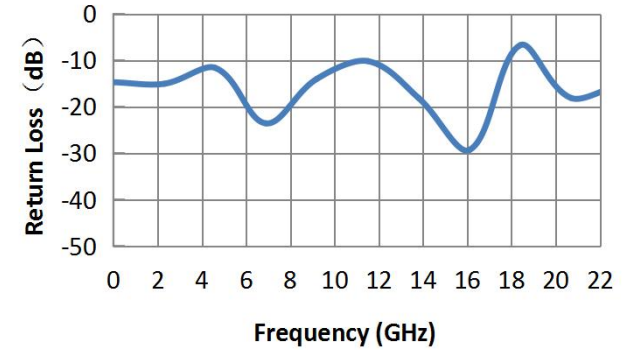
Medium Power Amplifier CMP-0.1G22G-3329-K			
DRAWN:	DWG NO.:	REV CODE: Rev.1.0	 <a href="http://www.connphy.com">www.connphy.com</a> <a href="mailto:sales@connphy.com">sales@connphy.com</a>
CHECKRD:	DATE: 12/10/15	SHEET : 1 OF 2	
ISSUED:	SIZE: A	SCALE : N / A	
			Notes: SPEC ARE SUBJECT TO CHANGE WITHOUT NOTICE.

**Typical Performance Data:**

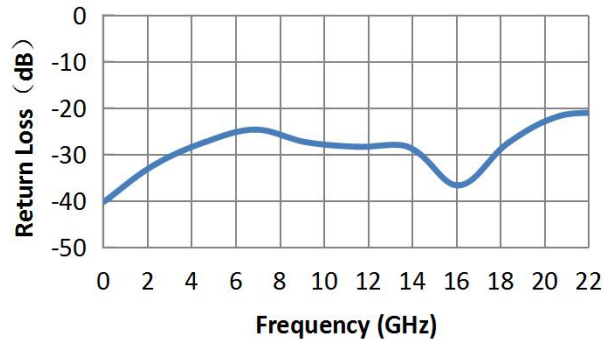
**Gain S21**



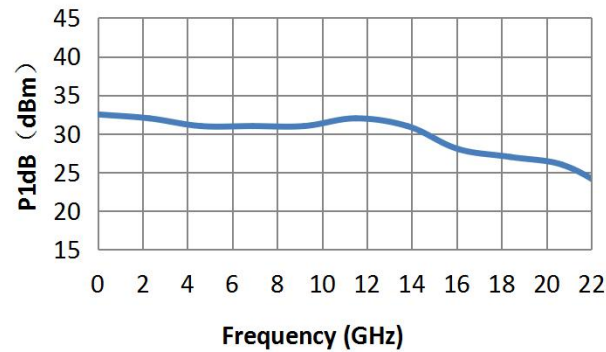
**S11**



**S22**



**Output P1dB**



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


**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

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CHECKRD:	DATE: 12/10/15	SHEET : 2 OF 2	
ISSUED:	SIZE: A	SCALE : N / A	Notes: SPEC ARE SUBJECT TO CHANGE WITHOUT NOTICE.