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

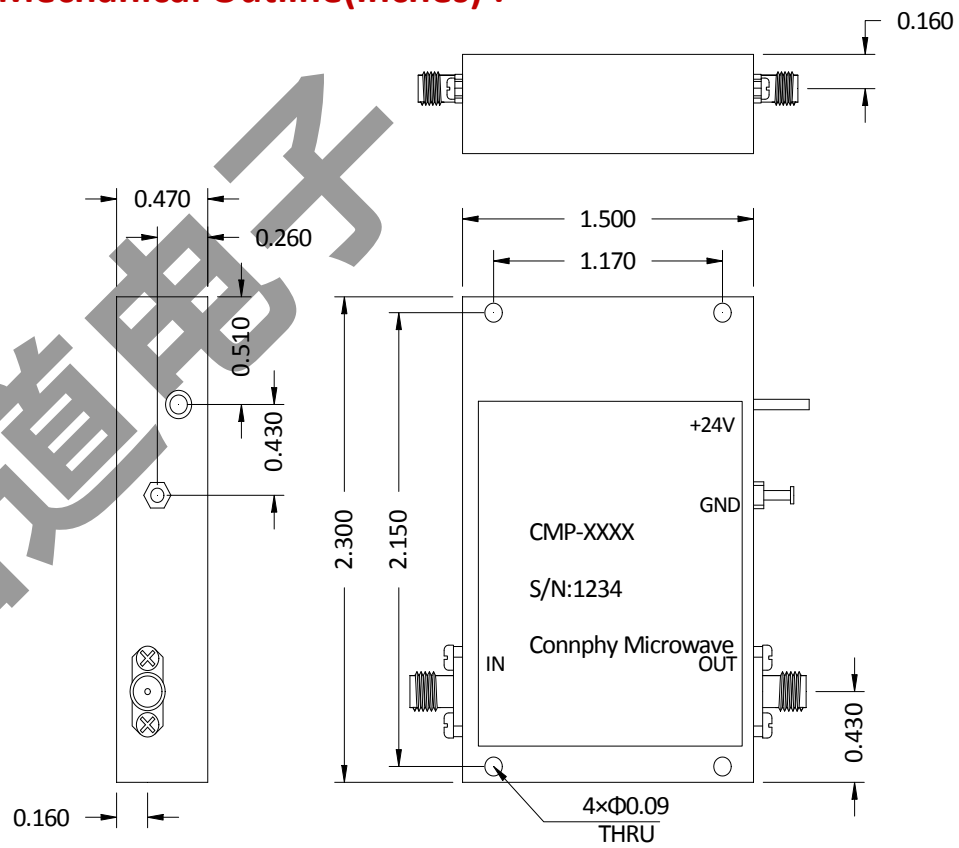
Specifications:

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:	-40ºC to +75 ºC Operating
	-55 ºC to +125 ºC 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) :

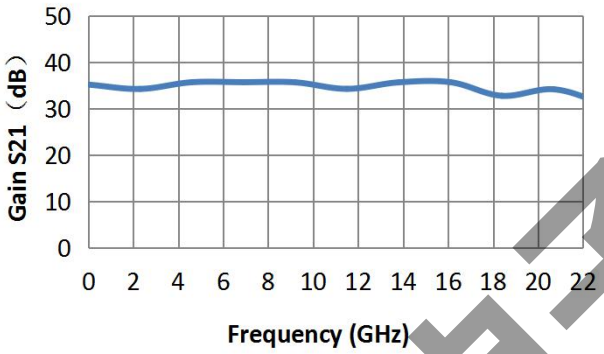


Medium Power Amplifier
CMP-0.1G22G-3329-K

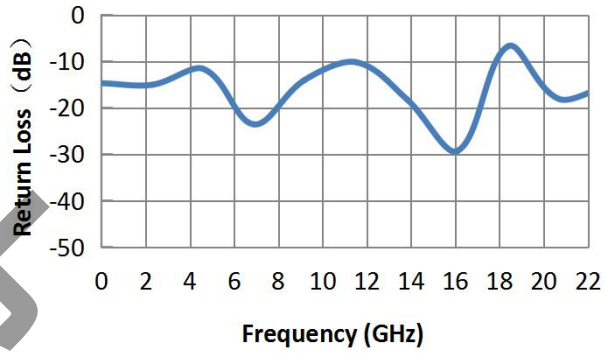
DRAWN:	DWG NO.:	REV CODE: Rev.1.0	CONNPHY Microwave Inc. www.connphy.com sales@qiidao.com
CHECKRD:	DATE: 12/10/15	SHEET : 1 OF 2	
ISSUED:	SIZE: A	SCALE : N / A	Notes: SPEC ARE SUBJECT TO CHANGE WITHOUT NOTICE.

Typical Performance Data:

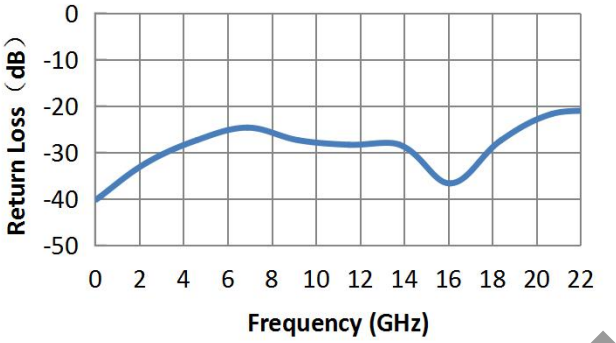
Gain S21



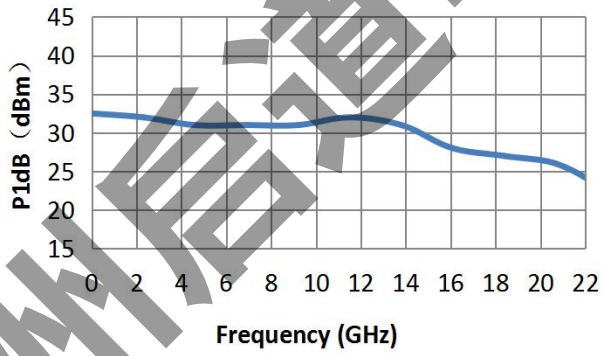
S11



S22



Output P1dB



Note: Test data taken with case temperature of +23 ºC

Environmental Ratings:

Temperature:	-40ºC to +75 ºC Operating
	-55 ºC to +125 ºC 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	www.connphy.com sales@qiidao.com
ISSUED:	SIZE: A	SCALE : N / A	Notes: SPEC ARE SUBJECT TO CHANGE WITHOUT NOTICE.