

CMC-0.03G3G-2730-S is a wideband medium power amplifier providing up to 30 dBm and a gain of 27 dB. The compact size and modularity makes it ideal for a wide range of applications.

Features:

- Frequency Range: 30 to 3000 MHz
- P1dB: 30 dBm Typ
- Flat Small Signal Gain: 27 dB Typ
- SMA female connector I/O
- Heat sink is available

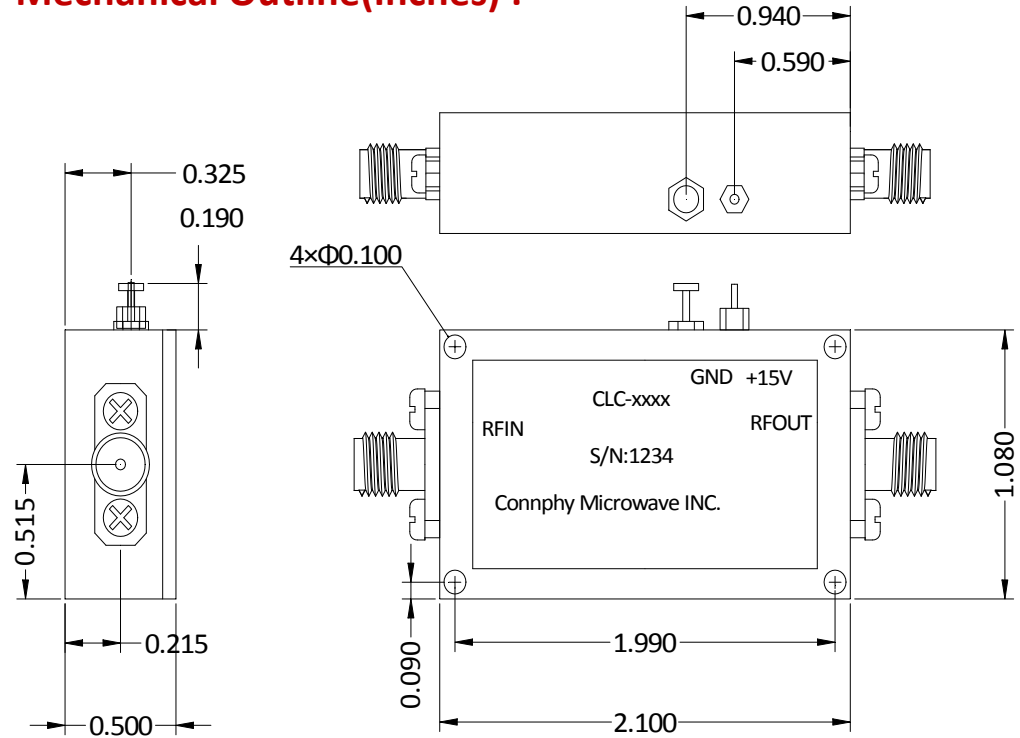
Specifications:


Frequency:	0.03- 3.0 GHz
Gain:	27 dB Typ , 25 dB Min
Gain Flatness:	±0.8 dB Typ, ± 1.0 dB Max
Output P1dB:	30 dBm Typ , 29 dBm Min
Output IP3:	39 dBm Typ
VSWR Input:	1.5 dB Typ, 1.7:1 Max
VSWR Output:	1.6 dB Typ, 1.8:1 Max
Reverse Isolation:	45 dB Min
Non-Harmonic Spurious:	-60 dBc Max
DC Voltage:	+11.5 V to +13 V DC
DC Supply Current:	220 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

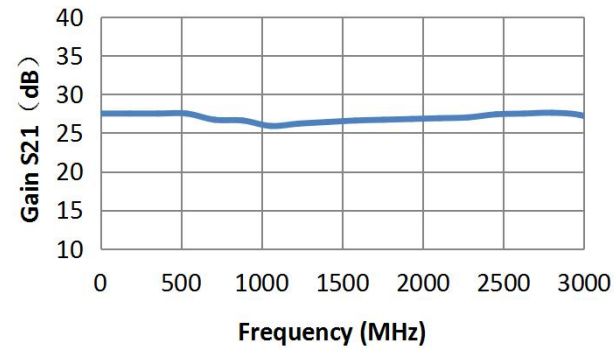
Mechanical Outline(Inches) :



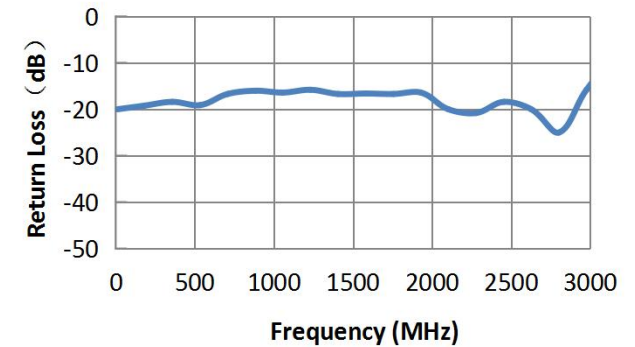
Medium Power Amplifier CMC-0.03G3G-2730-S			
DRAWN:	DWG NO.:	REV CODE: Rev.1.0	 www.connphy.com sales@connphy.com
CHECKRD:	DATE: 12/10/15	SHEET : 1 OF 2	
ISSUED:	SIZE: A	SCALE : N / A	
			Notes: SPEC ARE SUBJECT TO CHANGE WITHOUT NOTICE.

Typical Performance Data:

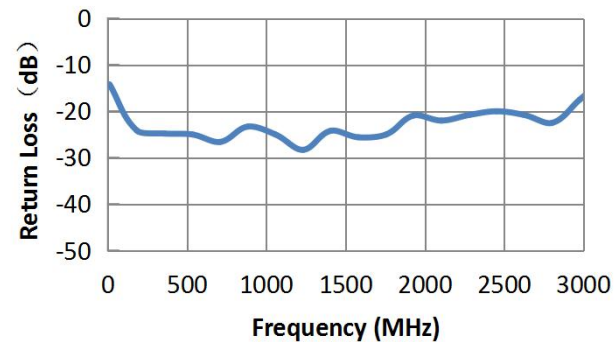
Gain S21



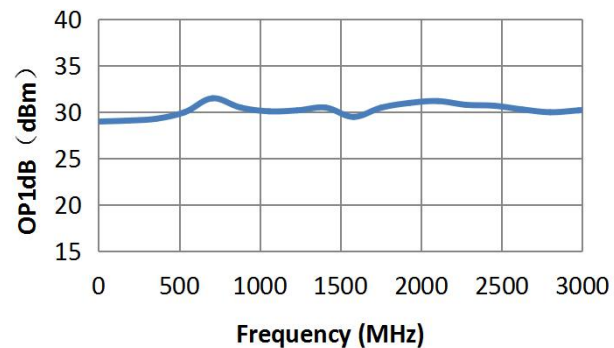
S11



S22



OP1dB



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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