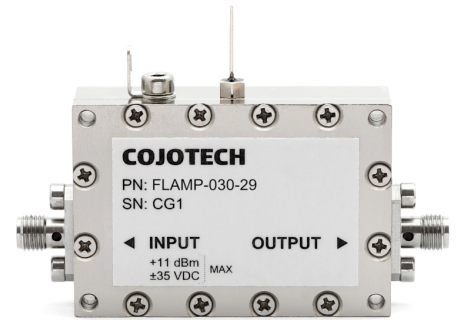


70 MHz to 3 GHz Flat Gain Amplifier.

Features

- ± 1 dB flatness from 70 MHz to 3 GHz.
- 29 dBm gain @ 1.5 GHz.
- 4 dB NF @ 1 GHz.
- Reverse bias protection.



Description

The Cojotech FLAMP-030-29 is a general purpose preamplifier, which features high gain, and superior gain flatness across its entire specified range. It provides good input and output match, as well as good noise figure, allowing it to be used either by itself in many applications, or used together with test equipment in order to improve system performance.

Applications

- General purpose laboratory amplifier.
- Test & instrumentation.
- Spectrum Analyzer preamplifier.
- Noise figure measurements.
- Near field measurements.
- and more...

Warranty

This product benefits from a 2-year warranty against defects in materials and workmanship.

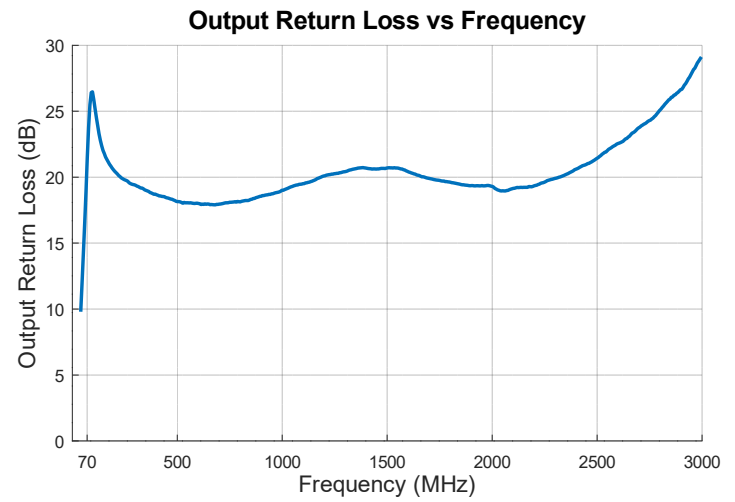
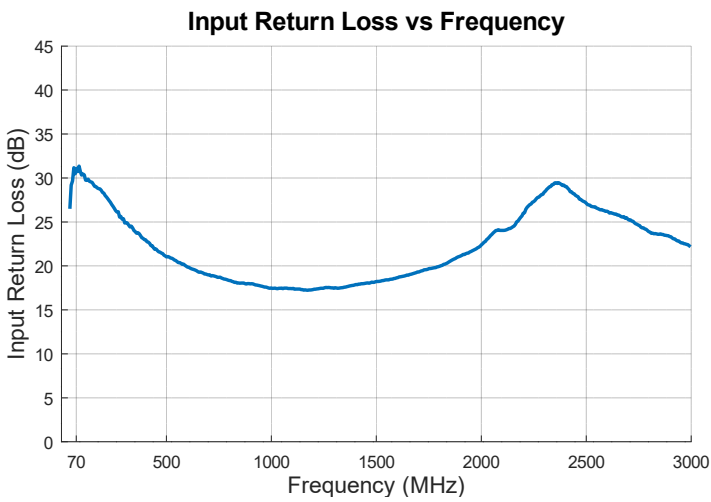
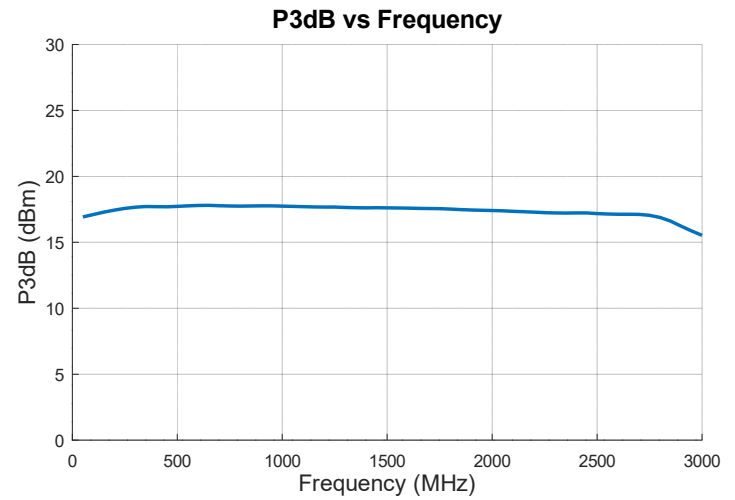
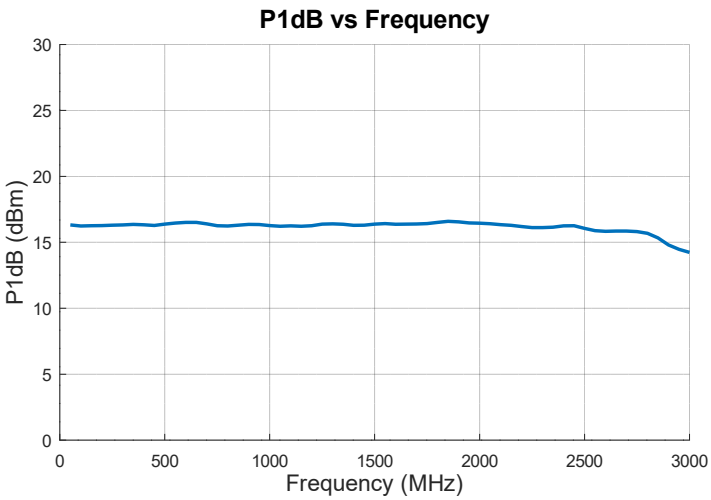
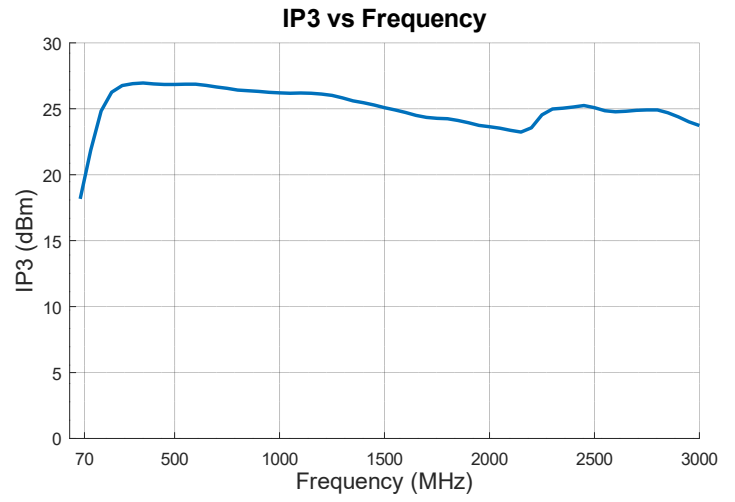
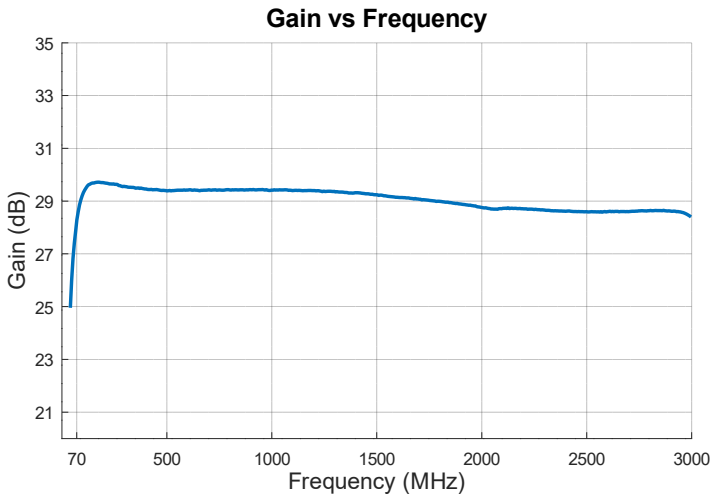
Absolute Maximums

Parameter	Ratings
RF Input Power	+11 dBm
RF Input DC Voltage	±35 V
Supply Voltage	+8 V

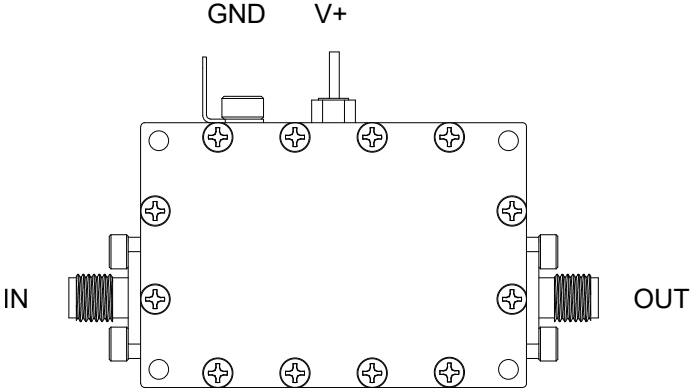
Electrical Specifications at 25°C

Parameter		Min.	Typ.	Max.	Unit
Frequency Range		70		3000	MHz
Small Signal Gain	0.07 GHz		28.3		dB
	0.1 GHz		29.3		
	0.5 GHz		29.4		
	1 GHz		29.4		
	1.5 GHz		29.2		
	2 GHz		28.7		
	2.5 GHz		28.6		
	3 GHz		28.3		
Noise Figure	0.1 GHz		4.5		dB
	1 GHz		4		
	2 GHz		4.3		
	3 GHz		5		
Input Return Loss	0.1 GHz		30		dB
	1 GHz		17		
	2 GHz		22		
	3 GHz		22		
Output Return Loss	0.1 GHz		26		dB
	1 GHz		19		
	2 GHz		19		
	3 GHz		29		
1 dB Compression Point (P1dB)			15		dBm
3 dB Compression Point (P3dB)			16		dBm
Third Order Intercept Point (IP3)			24		dBm
Supply Voltage			6	7	V
Supply Current			96		mA

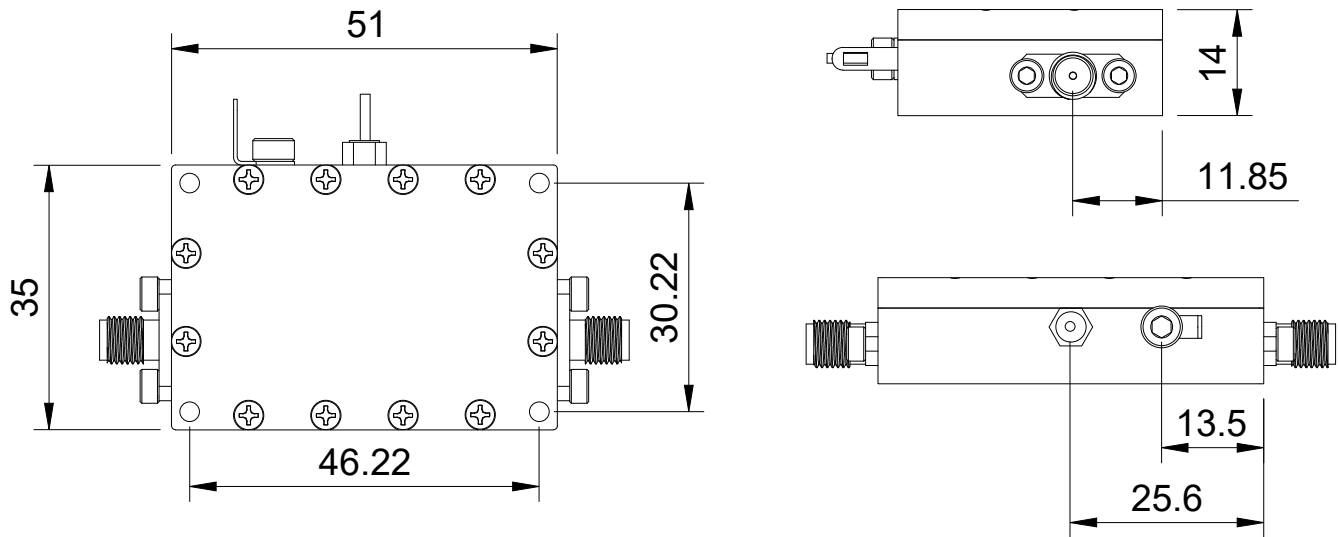
Typical Performance Characteristics



Pin Configuration



Outline Dimensions



Dimensions are in mm.

Mounting holes are 2.6 mm in diameter, not threaded.

Weight: 57 g.

Mechanical Properties

Description	Material	Finish
Body	Aluminium	Nickel plated
SMA Body	Stainless Steel	Passivated
SMA Contact	Beryllium copper	Gold plated
Dielectric	PTFE	

Notes:

- 1). Unless otherwise stated, all specifications are nominal.
- 2). The information contained in this document is accurate to the best of our knowledge. We reserve the right to update it, with new information or corrections, without notice.