

# BROADBAND POWER AMPLIFIER

**MPA0540.34**  
**0.5GHz-4GHz**

## Features

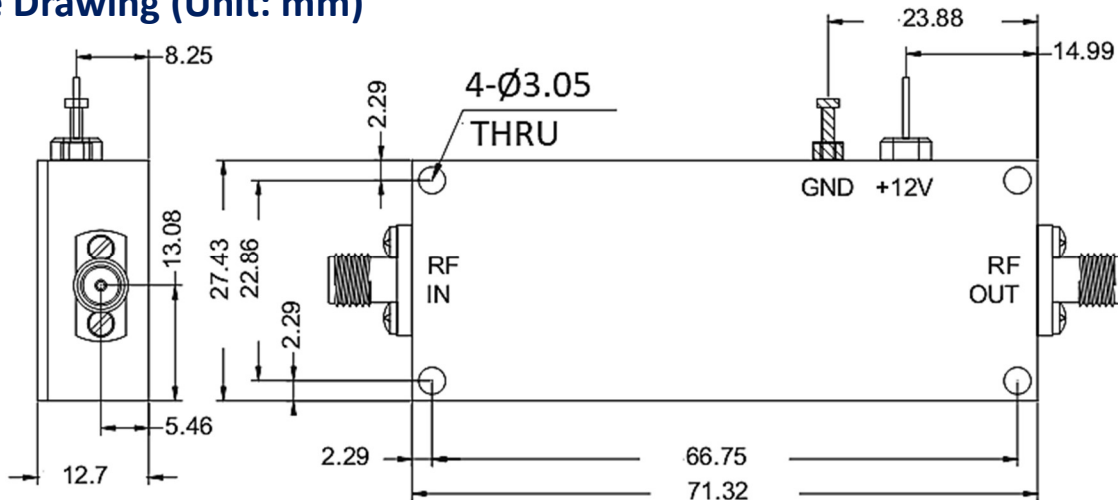
- ✓ High gain operation from 0.5GHz to 4.0GHz
- ✓ Low VSWR, unconditional stable
- ✓ High gain with good gain flatness
- ✓ Single DC power supply, internal voltage regulator
- ✓ Operating temperature -45~+85°C, storage temperature -55~+125°C

## Specifications

Parameters	Minimum	Typical	Maximum
Frequency Range	0.5GHz		4GHz
Gain	30dB	34dB	37dB
Gain flatness		±1.25dB	±1.5dB
Input VSWR		1.4:1	2.0:1
Output VSWR		1.3:1	1.8:1
Output Power for 1 dB	24 dBm	25 dBm	30 dBm
Saturated Output Power (Psat)		26dBm	
Noise Figure		2.5dB	4dB
Spurious			-65dBc
OIP3	34 dBm	36 dBm	
Input Max Power(no damage)			10 dBm
DC Supply Current	120mA	180mA	300mA
Operating Temperature	-45°C		+85°C
Survival Temperature	-55°C		+125°C
DC Voltage	+12V		+15.0V
In/Out connectors	SMA female		
Size (mm)	71.32 x 27.43 x 12.7		

Tolerance: X= ±0.25

## Outline Drawing (Unit: mm)



NOTES:  
1. ALL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE AT ANY TIME  
2. CUSTOMER OUTLINE DRAWING FOR REFERENCE ONLY

