



# POWER AMPLIFIER

**MPA0408.40**  
**4GHz-8GHz**

## Features

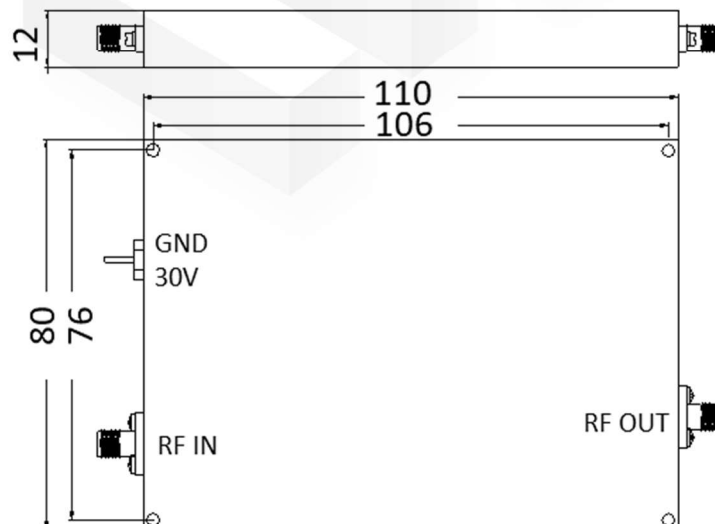
- ✓ High gain operation from 4.0GHz to 8.0GHz
- ✓ Low VSWR, unconditional stable
- ✓ High gain with good gain flatness
- ✓ Single DC power supply, internal voltage regulator
- ✓ Operating temperature -35~+70°C, storage temperature -55~+125°C

## Specifications

Parameters	Minimum	Typical	Maximum
Frequency Range	4.0-8.0GHz		
Small Signal Gain	36dB	40dB	
Gain flatness		±2dB	
Gain Variation Over Temperature			±2dB
Input VSWR		1.5:1	2.0:1
Output Power for 1 dB Compression (P1dB)	38dBm		
Saturated Output Power (Psat)	40dBm		
Noise Figure			
Spurious		-60dBc	
Harmonic Rejection		15dB	
Input Max Power(no damage)			10 dBm
DC Current (Vcc=+30V) (@Pout=10W)		1.5A	2A
Operating Temperature	-35°C		+70°C
Survival Temperature	-55°C		+125°C
In/Out connectors	50 ohm SMA female		
Size (mm)	85 x 50 x 12		

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

