

POWER AMPLIFIER

MPA1840.30
18GHz-40GHz

Features

- ✓ High gain operation from 18GHz to 40GHz
- ✓ 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

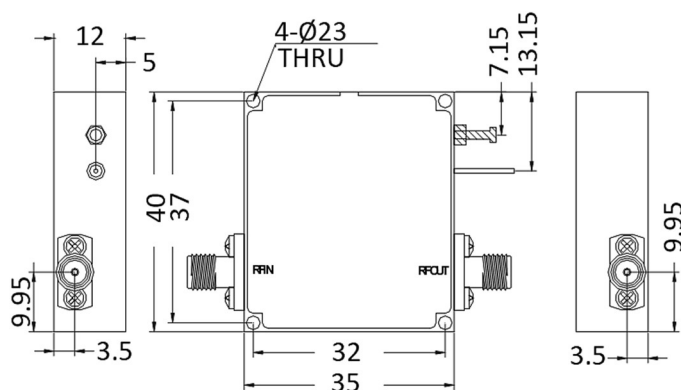


Specifications:

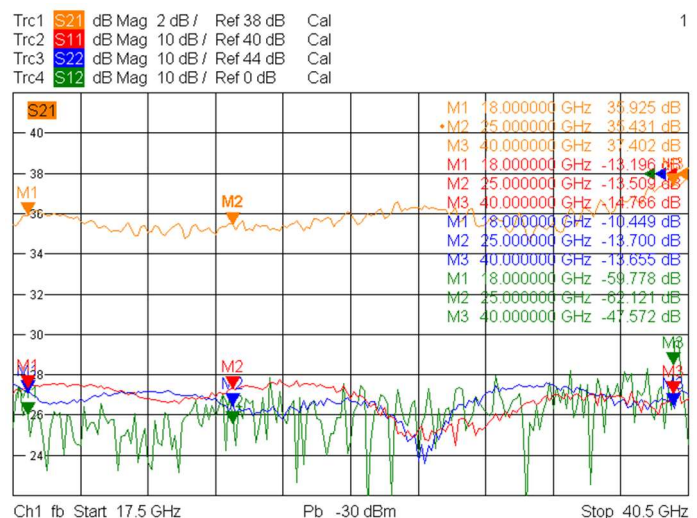
Parameters	Minimum	Typical	Maximum
Frequency Range	18-40GHz		
Gain	28dB	30dB	
Gain flatness		±2dB	
Gain Variation Over Temperature		±1dB	
Input VSWR		2.0:1	
Output VSWR		2.0:1	
Output Power for 1 dB Compression (P1dB)		22dBm	
IP3		32dBm	
Saturated Output Power (Psat)		23dBm	
Noise Figure		5dB	
Input Max Power(no damage)		-5dBm	
DC Current (Vcc=+9~+15V)		550mA	
Operating Temperature	-45°C		+85°C
Survival Temperature	-55°C		+125°C
In/Out connectors	50 ohm 2.92mm female		
Size (mm)	40 x 35 x 12		

Tolerance: X= ±0.25

Outline Drawing (Unit: mm)



Typical Test Report



NOTES:

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

