

Features

- Small Signal Gain 30dB
- Low Gain Flatness
- Input VSWR 2.0
- Output Power 5dBm
- RoHS and REACH Compliant

Electrical Specifications

Description	Units	Minimum	Typical	Maximum
Freq. Range	GHz	0.5		8
Max input Power	dBm			+20
Small Signal Gain	dB	30		
Gain Flatness	dB			±2.0
Noise figure	dB			3.5
Output Power @P1dB	dBm	5		
Input VSWR	: 1			2.0
Output VSWR	: 1			2.0
OIP3	dBm		15	
TTL Control				
TTL Switching Time	us			
Supply Current (Vcc=+12V)	mA		150	
Operating Temp.	°C	-55		+85

Special Requirements

Note

- Electronic Specification Note : Values at 25deg , sea level. Test indicators will deteriorate at high and low temperature ;
- ESD sensitive material , Transport material in approved ESD bags. Handle only in approved ESD workstation;
- Providing effective cooling measures and electrostatic protection;
- If the product is damaged due to over-drive, no-load, over-temperature, over-current and static electricity in use. Customer needs to pay for the cost of maintenance.

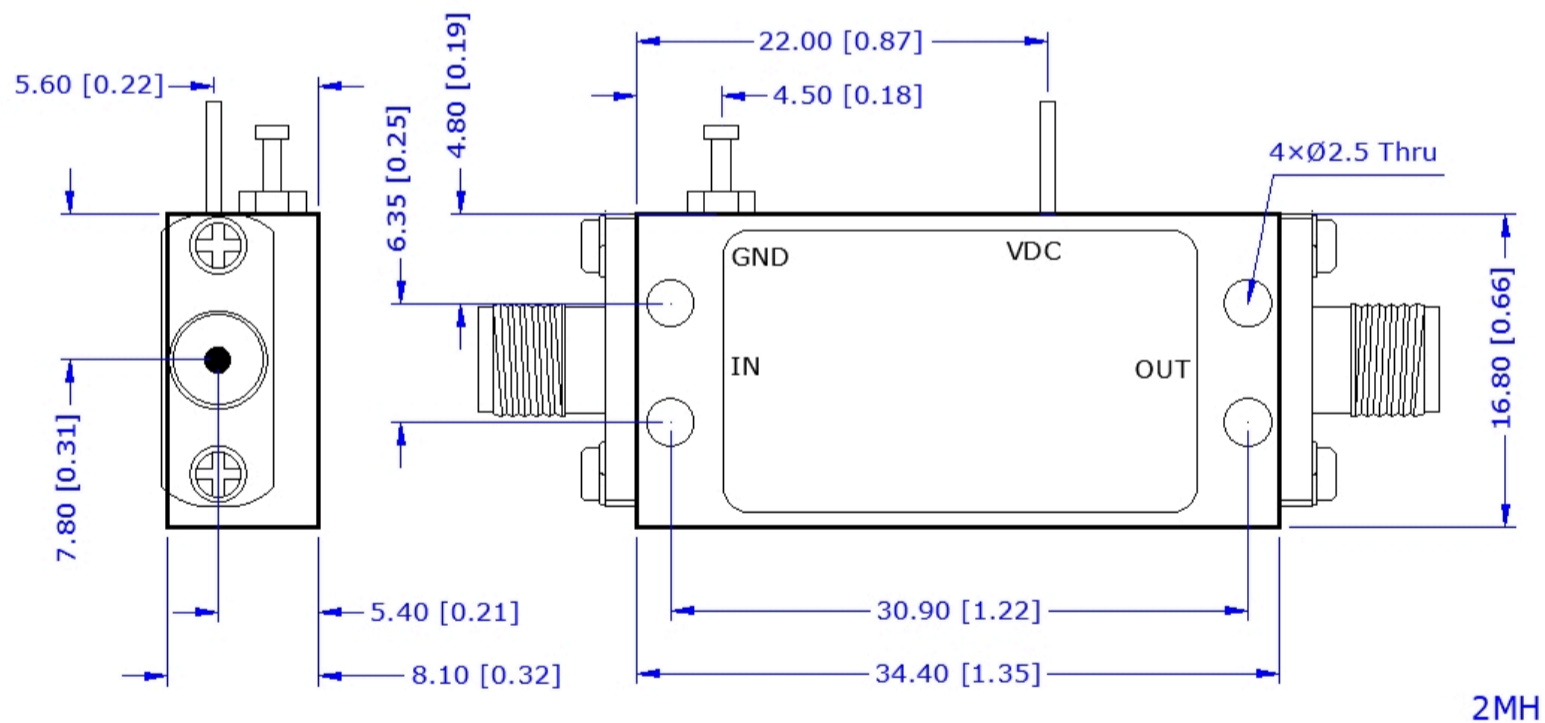
Mechanical Specifications

Dimension L*W*H	34.4*16.8*8.1 mm
Input Connector	SMA-Female
Output Connector	SMA-Female
Weight	20 g
VDC Connector	
Finishing	Nickel Plated
Environment	X

Compliance Certifications

RoHS Compliant	✓
REACH Compliant	✓

CAD Drawing



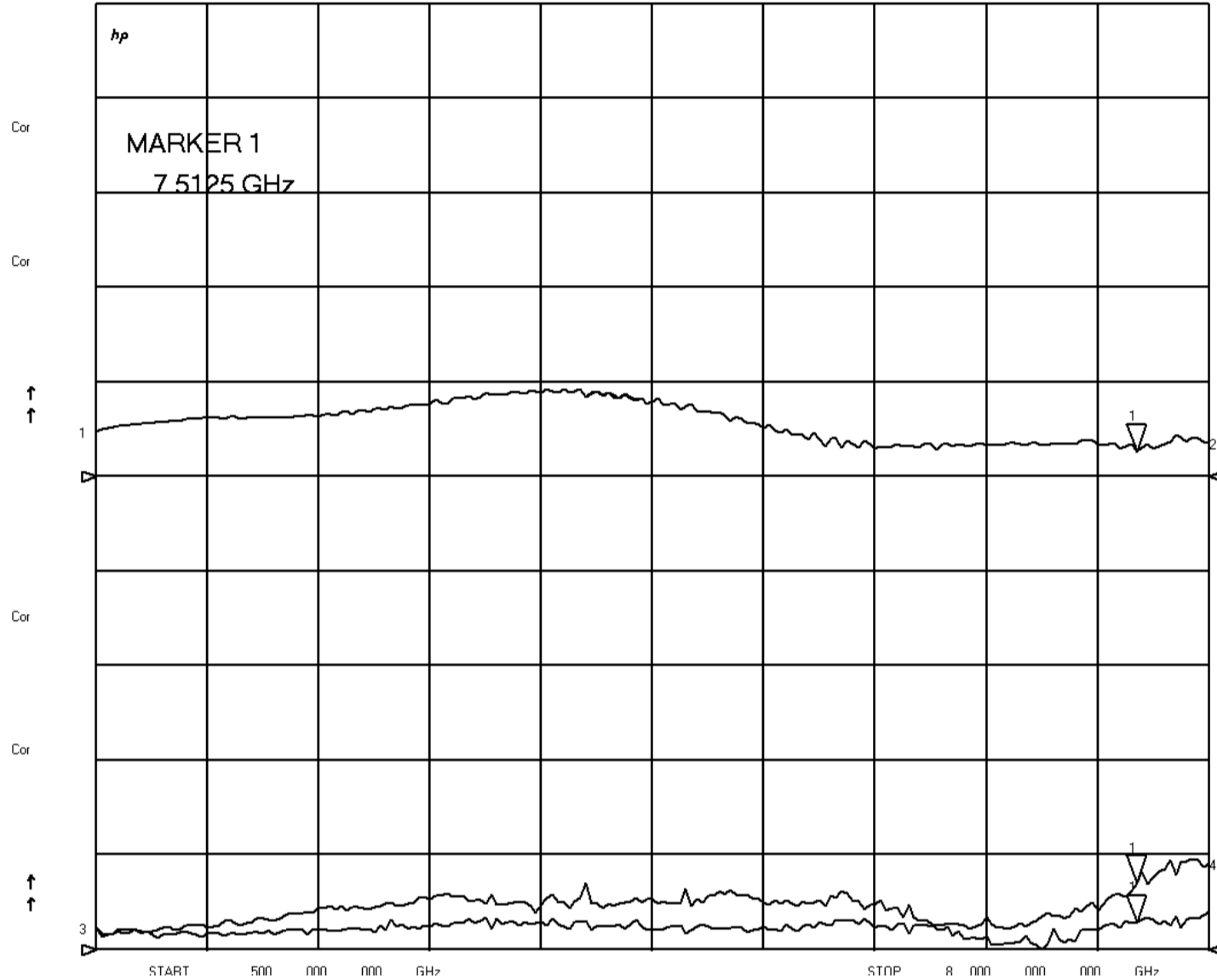
Dimensions are in mm [Inches]
Tolerances : Outline drawing: ±0.2 [0.008]
Hole: ±0.2 [0.008]

Input Port VSWR

Output Port VSWR

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CH1	S21	LOG	5 dB/	REF 30 dB	1 : 31 . 359	dB	7 . 512	500	000	GHz
CH2	S21	LOG	5 dB/	REF 30 dB	1 : 31 . 359	dB				
CH3	S11	SWR	1 /	REF 1	1 : 1 . 2902					
CH4	S22	SWR	1 /	REF 1	1 : 1 . 7081					



Output Port Insertion Loss

\$D1.[FMB2P5P]

Output Port Isolation

\$D1.[FE3XM1X]

Amplitude Balance

\$D1.[FE1JW2S]

Phase Balance

\$D1.[FX9Y6VG]