

Features

- Small Signal Gain 30dB
- Low Gain Flatness
- Input VSWR 2.0
- Output Power 32dBm
- RoHS and REACH Compliant

Electrical Specifications

Description	Units	Minimum	Typical	Maximum
Freq. Range	GHz	4.4		6
Small Signal Gain	dB	30		
Gain Flatness	dB			±1
Noise figure	dB		8	
Output Power @P1dB	dBm	32		
Input VSWR	: 1			2.0
Output VSWR	: 1			
OIP3	dBm		43	
Reverse Isolation	dB	50		
Spurious	dBc	-		
Harmonics	dBc			
TTL Control				
TTL Switching Time	us		-	
Supply Current (Vcc=+12V)	mA		1500	
Operating Temp.	°C	-55		+85

Special Requirements

Gain Flatness over -55 to +85 °C : ±3dB and Gain every 50MHz : 0.5dB ; P-1 Flatness over -55 to +85 °C : ±1.5dB ; DC Current : 1500mA Max ; Altitudes up to 15200m

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.

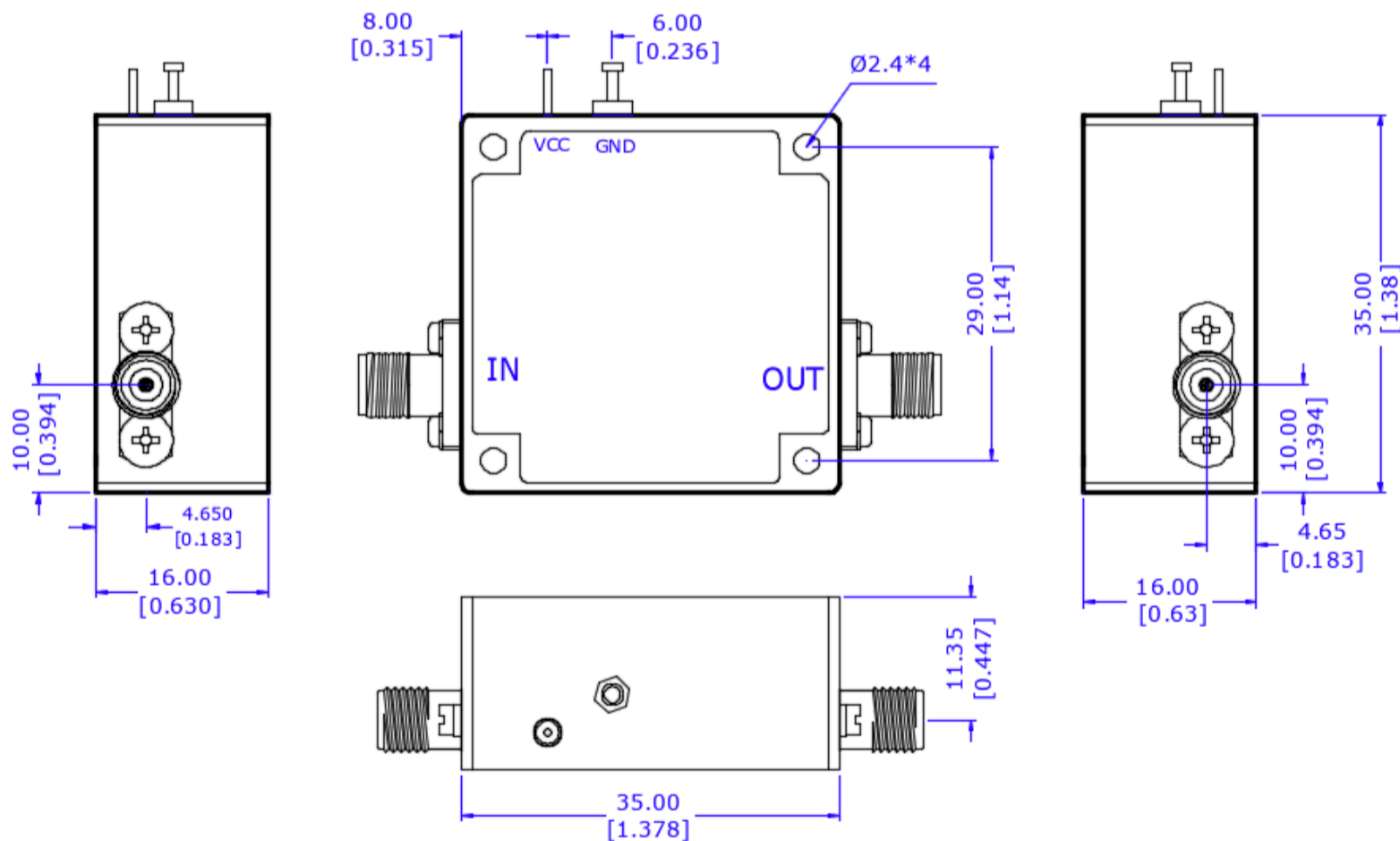
Mechanical Specifications

Dimension L*W*H	35*35*16 mm
Input Connector	SMA-Female Stainless Steel
Output Connector	SMA-Female Stainless Steel
Weight	60 g
Finishing	Nickel Plated
Environment	X

Compliance Certifications

RoHS Compliant	✓
REACH Compliant	✓

CAD Drawing

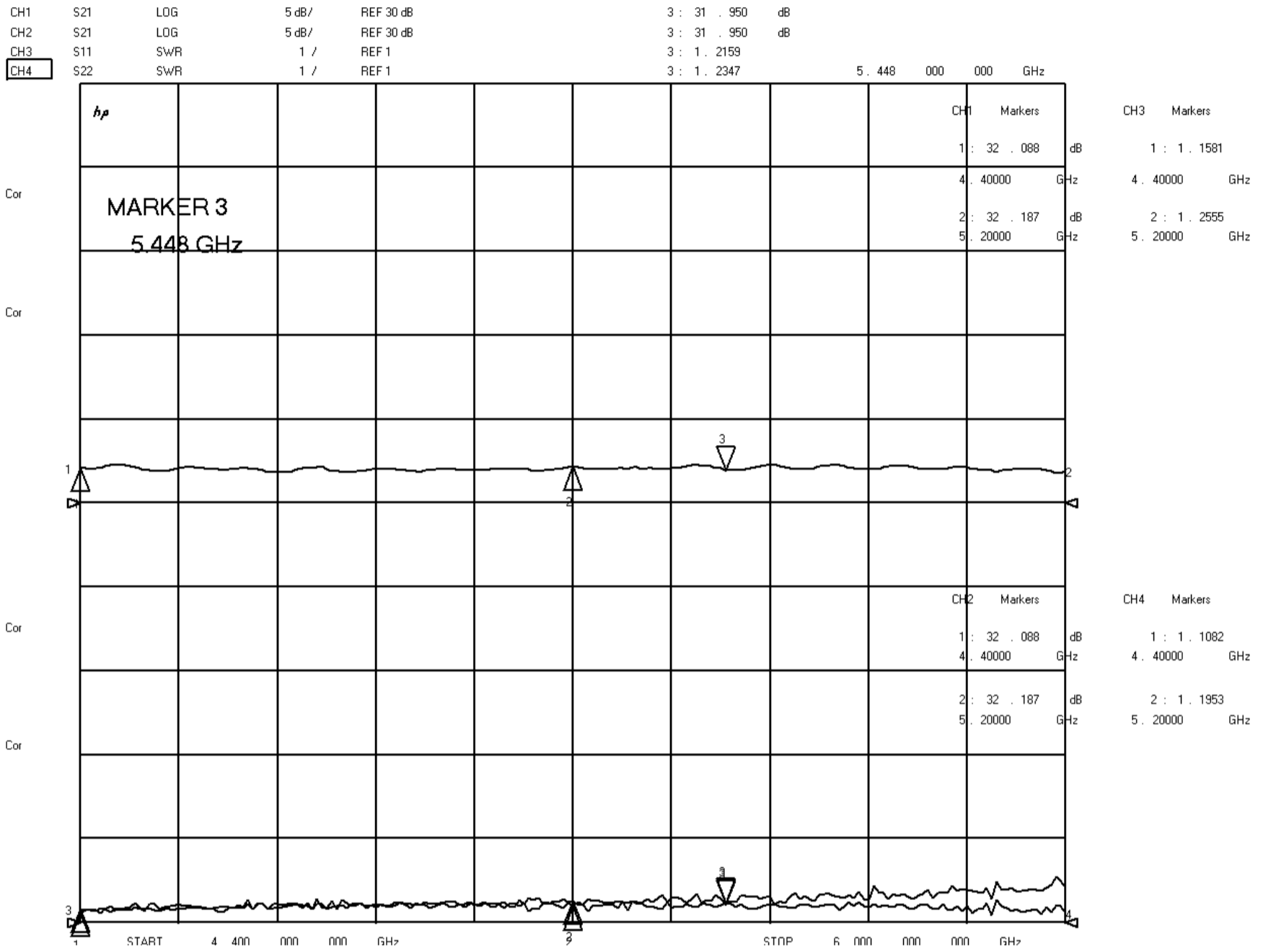


Dimensions are in mm [Inches]
 Tolerances : Outline drawing: ±0.2 [0.008]
 Hole: ±0.2 [0.008]

Input Port VSWR

Output Port VSWR

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Output Port Insertion Loss

Output Port Isolation

\$D1.[FMB2P5P]

\$D1.[FE3XM1X]

Amplitude Balance

Phase Balance

\$D1.[FE1JW2S]

\$D1.[FX9Y6VG]