

Features

- Small Signal Gain 30dB
- Low Gain Flatness
- Input VSWR 1.8
- Output Power 20dBm
- RoHS and REACH Compliant

Electrical Specifications

Description	Units	Minimum	Typical	Maximum
Freq. Range	GHz	7.9		8.4
Small Signal Gain	dB	30		
Gain Flatness	dB			±0.5
Noise figure	dB		3.5	
Output Power @P1dB	dBm	20		
Input VSWR	: 1			1.8
Output VSWR	: 1			
OIP3	dBm		+30	
Reverse Isolation	dB	-		
Spurious	dBc	-		
Harmonics	dBc			
TTL Control				
TTL Switching Time	us		-	
Supply Current (Vcc=+15V)	mA		200	
Operating Temp.	°C	-40		+70

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.

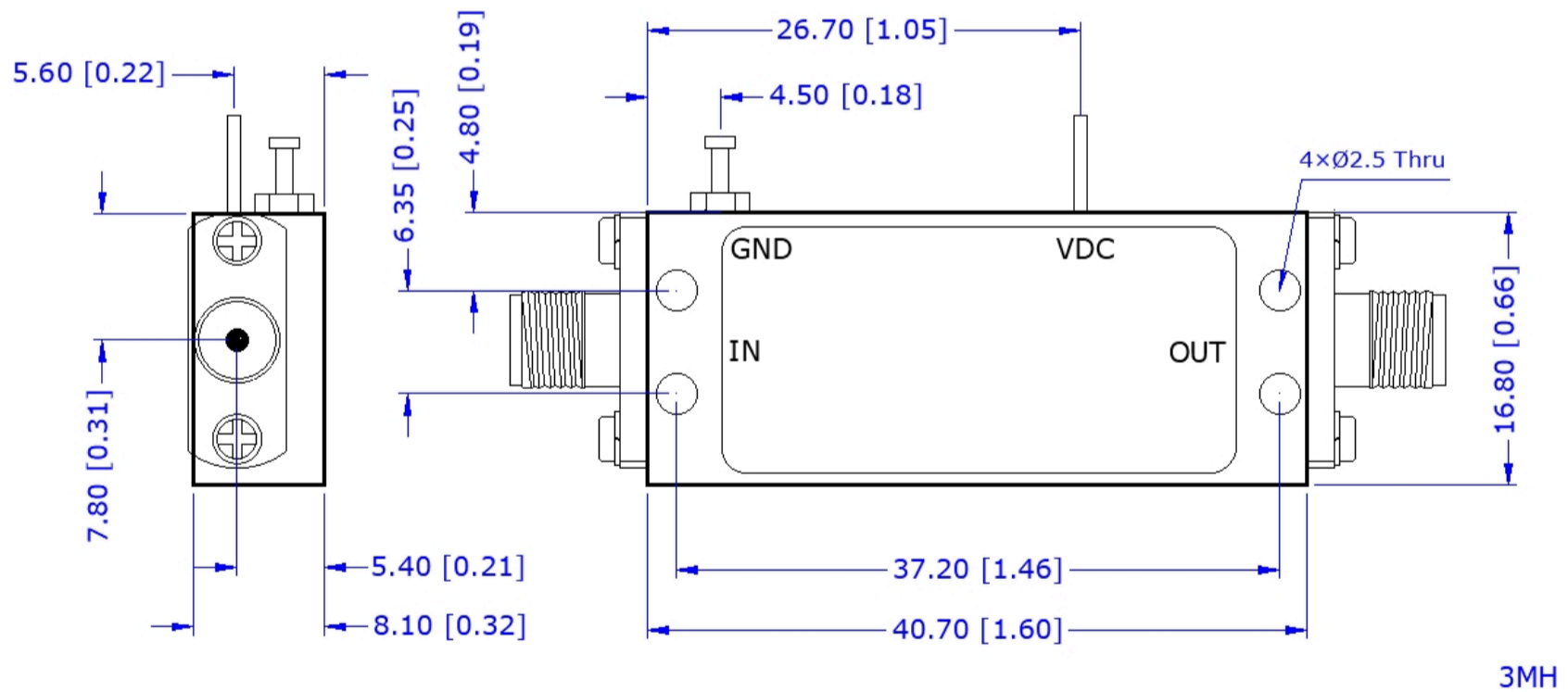
Mechanical Specifications

Dimension L*W*H	40.7*16.8*8.1 mm
Input Connector	SMA-Female Stainless Steel
Output Connector	SMA-Female Stainless Steel
Weight	20 g
Finishing	Nickel Plated
Environment	X

Compliance Certifications

RoHS Compliant	✓
REACH Compliant	✓

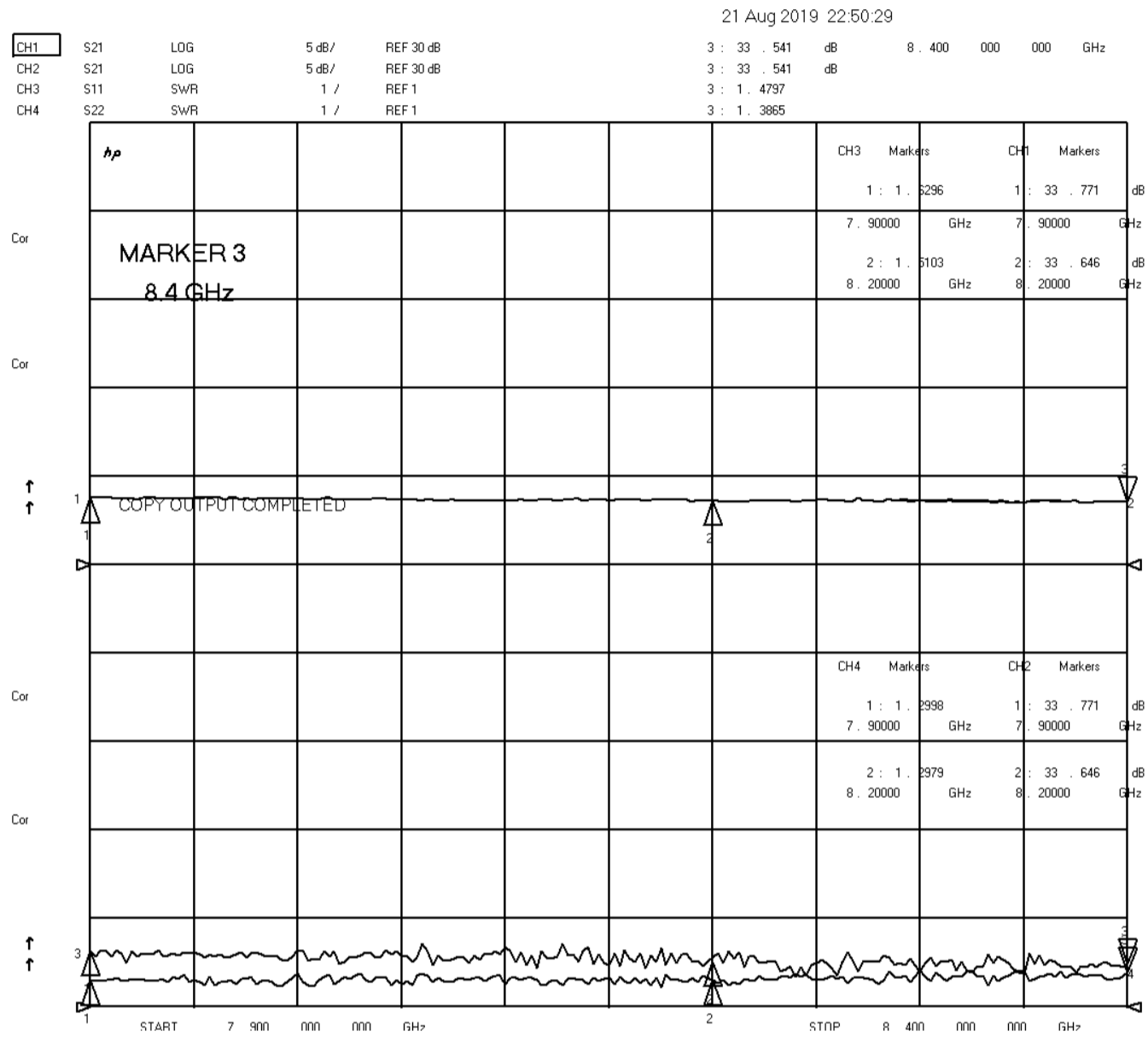
CAD Drawing



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

Input Port VSWR

Output Port VSWR



Output Port Insertion Loss

\$D1.[FMB2P5P]

Output Port Isolation

\$D1.[FE3XM1X]

Amplitude Balance

\$D1.[FE1JW2S]

Phase Balance

\$D1.[FX9Y6VG]