

Features

- Small Signal Gain 22dB
- Low Gain Flatness
- Input VSWR 2.0
- Output Power 20dBm
- RoHS and REACH Compliant

Electrical Specifications

Description	Units	Minimum	Typical	Maximum
Freq. Range	GHz	9		11
Small Signal Gain	dB	22		
Gain Flatness	dB			±1
Noise figure	dB		-	
Output Power @P1dB	dBm	20		
Input VSWR	: 1			2.0
Output VSWR	: 1			-
OIP3	dBm		-	
Reverse Isolation	dB	-		
Spurious	dBc	-		
Harmonics	dBc			
TTL Control				
TTL Switching Time	us		-	
Supply Current (Vcc=+12V)	mA		200	
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.

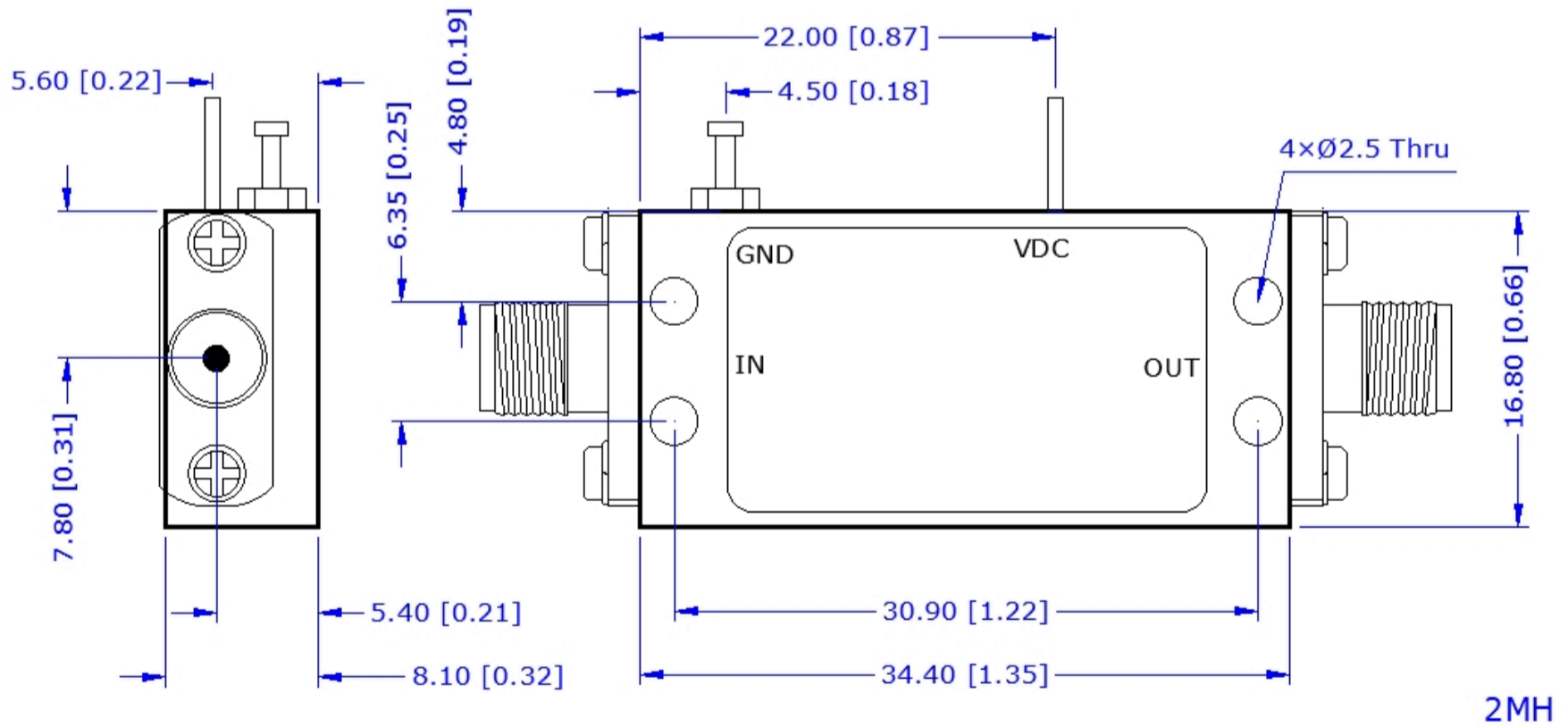
Mechanical Specifications

Dimension L*W*H	34.4*16.8*8.1 mm
Input Connector	SMA-Female Stainless Steel
Output Connector	SMA-Female Stainless Steel
Weight	20 g
Finishing	Self-colour Anodizing
Environment	X

Compliance Certifications

RoHS Compliant	✓
REACH Compliant	✓

CAD Drawing



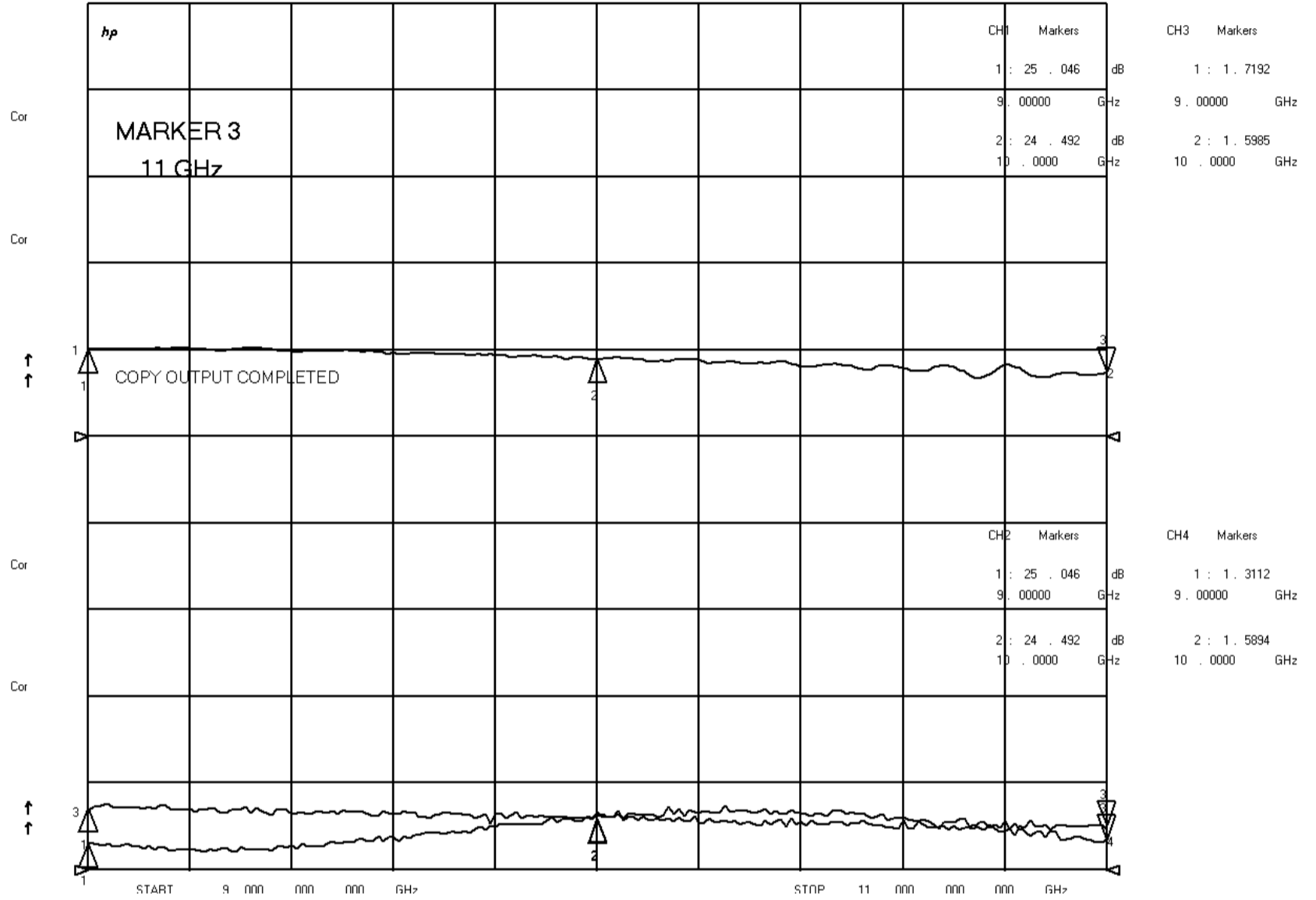
Dimensions are in mm [Inches]
 Tolerances : Outline drawing: ±0.2 [0.008]
 Hole: ±0.2 [0.008]

Input Port VSWR

Output Port VSWR

23 Jul 2018 21:43:14

CH1	S21	LOG	5 dB/	REF 20 dB	3 : 23 . 729	dB	11 . 000	000	000	GHz
CH2	S21	LOG	5 dB/	REF 20 dB	3 : 23 . 729	dB				
CH3	S11	SWR	1 /	REF 1	3 : 1 . 5072					
CH4	S22	SWR	1 /	REF 1	3 : 1 . 3469					



\$D1.[FLA042L]

Output Port Insertion Loss

\$D1.[FMB2P5P]

Output Port Isolation

\$D1.[FE3XM1X]

Amplitude Balance

\$D1.[FE1JW2S]

Phase Balance

\$D1.[FX9Y6VG]