2 to 20GHz Power Amplifier Rated at Pout 18dBm Data Sheet

ID:MPA00146 PN：PAD18-020200SF

Features

- Small Signal Gain 28dB
- Low Gain Flatness
- Input VSWR 2.0
- Output Power 18dBm
- RoHS and REACH Compliant

Electrical Specifications

Description	Units	Minimum	Typical	Maximum
Freq. Range	GHz	2		20
Small Signal Gain	dB	28		
Gain Flatness	dB			±1.5
Noise figure	dB		4.2	
Output Power @P1dB	dBm	18		
Input VSWR	: 1			2.0
Output VSWR	: 1			
OIP3	dBm		31	
Reverse Isolation	dB	-55		
Spurious	dBc	-		
Harmonics	dBc			
TTL Control				
TTL Switching Time	us		-	
Supply Current (Vcc=+12V)	mA		300	
Operating Temp.	℃	-55		+85

Special Requirements

CORECH MICROWAVE LIMITED 科锐微波有限公司

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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 mainte nance.

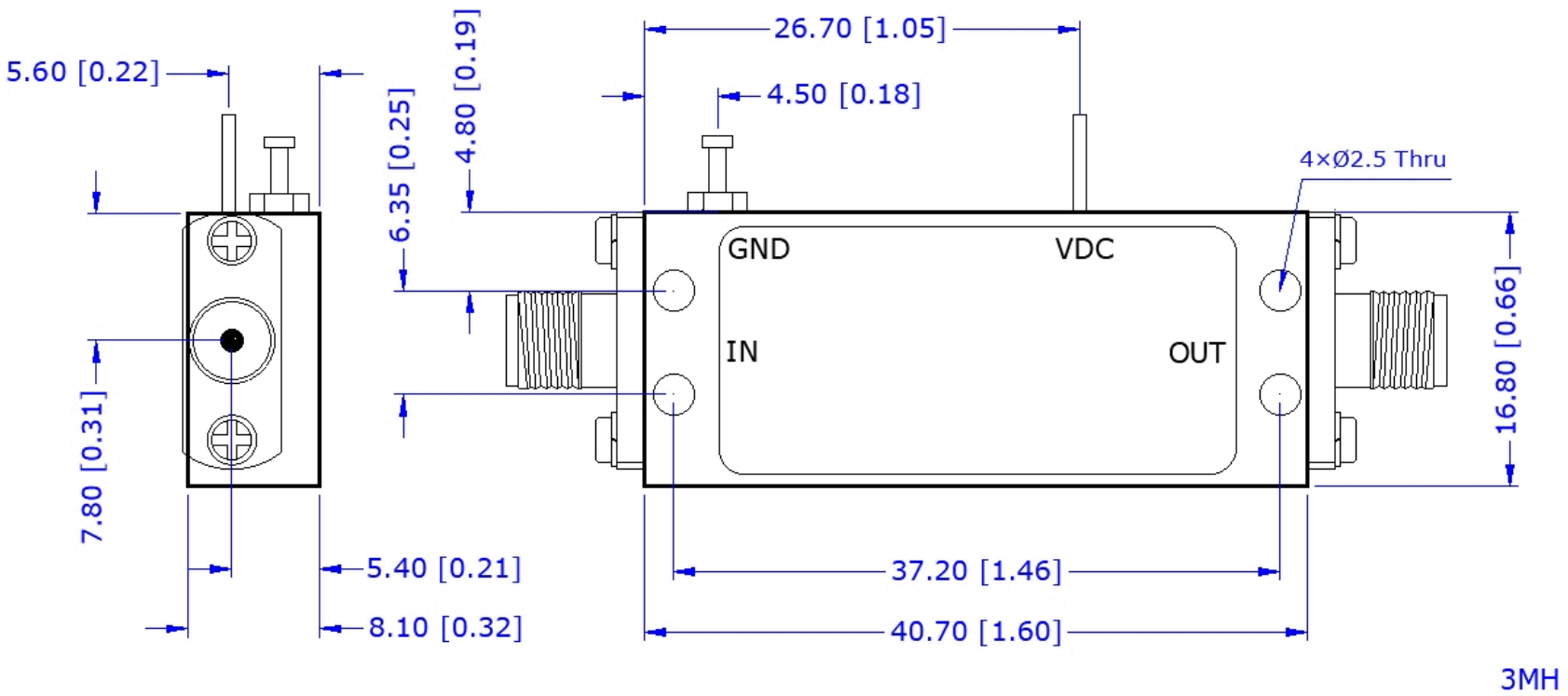
Mechanical Specifications

Dimension L*W*H	40.7*16.8*8.1 mm
Input Connector	SMA-Female Stainless Steel
Output Connector	SMA-Female Stainless Steel
Weight	TBD 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]

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