

Product: Low noise amplifier

Part Number: LNA-0.01/1-44



Specification					
No.	Parameter	Minimum	Typical	Maximum	Units
1	Frequency range	0.01	-	1	GHz
2	Gain	42	44		dB
4	Gain Flatness			±2.0	db
5	Noise Figure			1.5	dB
6	P1dB Output Power	20			dBm
7	Psat Output Power	21			dBm
8	VSWR			1.5	-
9	Supply Voltage			+12	V
10	DC Current		250		mA
11	Input Max Power(No damage)			10	dBm
12	Connecter	SMA-F			
13	Voltage Control Terminal	Core Capacitor			
14	Spurious	-60			dBc
15	Impedance		50		Ω
16	Operational Temperature	-30°C ~ +50°C			
15	Weight	100G			
16	Preferred finish colour	Yellow			

Environmental Specifications	
Operational Temperature	0°C~+50°C
Storage Temperature	-55°C~+85°C
Vibration	25gRMS (15 degrees 2KHz) endurance, 1 hour per axis
Humidity	100% RH at 35°C, 95%RH at 40°C
Shock	20G for 11msec half sine wave,3 axis both directions
Mechanical Specifications	
Housing	Copper
Connector	Gold-plated copper

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Female Contact:	gold plated beryllium brass
Rohs	compliant
Weight	100g

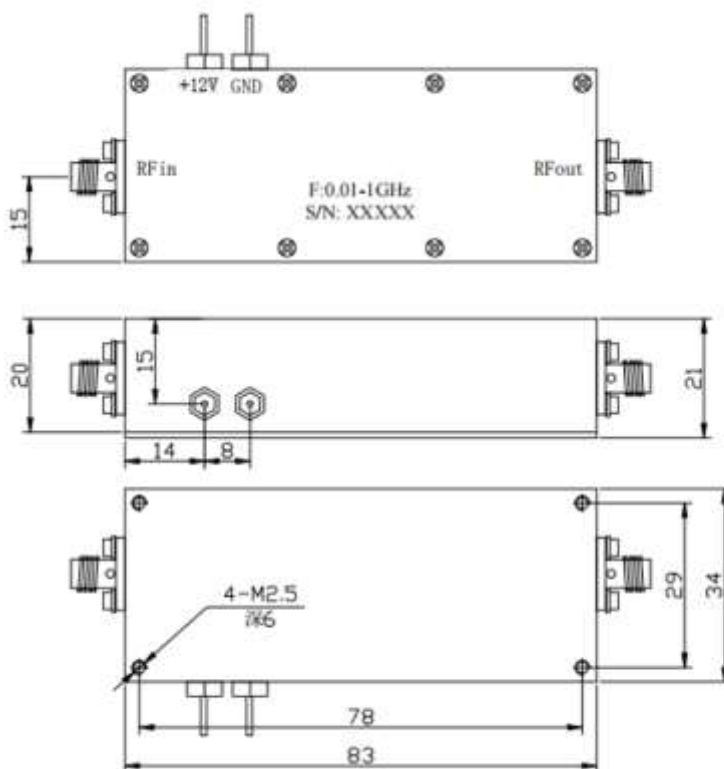
## Outline Drawing:

All Dimensions in mm

Outline Tolerances  $\pm 0.5(0.02)$

Mounting Holes Tolerances  $\pm 0.2(0.008)$

All Connectors: SMA-Female



## TEST DATA

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