

Product: Low noise amplifier

Part Number: LNA-0.01/8-30



Specification					
No.	Parameter	Minimum	Typical	Maximum	Units
1	Frequency range	0.01	-	8	GHz
2	Gain	30	32		dB
4	Gain Flatness		±2.0		db
5	Noise Figure		4.0		dB
6	P1dB Output Power		15	17	dBm
7	Psat Output Power		17	19	dBm
8	VSWR		2.0	2.5	-
9	Supply Voltage			+12	V
10	DC Current		350		mA
11	Input Max Power(No damage)			15	dBm
12	Connecter	SMA-F			
13	Impedance		50		Ω
14	Operational Temperature	-45°C ~ +85°C			
15	Weight	0.1KG			
16	Preferred finish colour	Black			

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	stainless steel
Female Contact:	gold plated beryllium brass
Rohs	compliant
Weight	0.1kg

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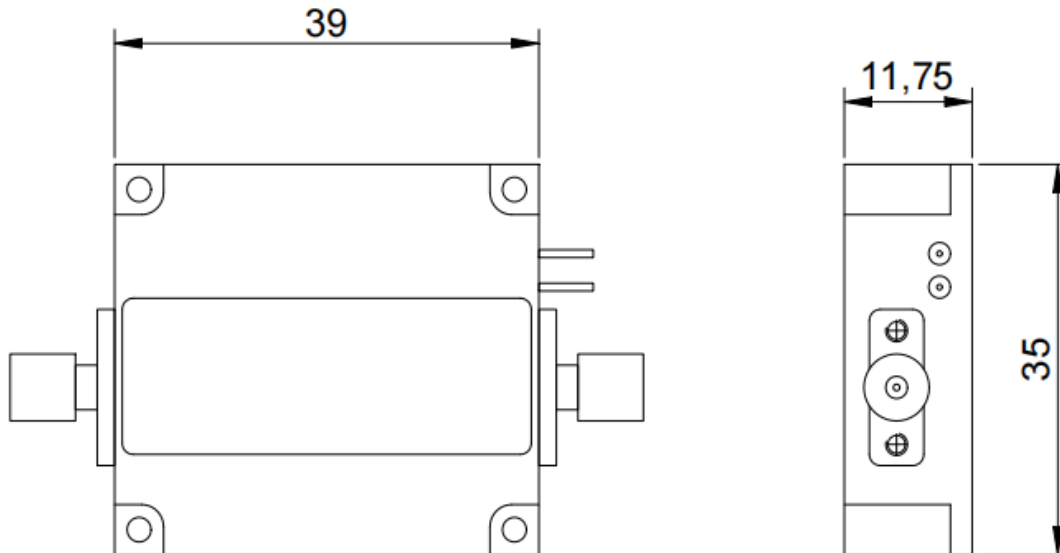
Outline Drawing:

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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