

Product: Low noise amplifier

Part Number: LDC-1/18-12



Specification					
No.	Parameter	Minimum	Typical	Maximum	Units
1	Frequency range	1	-	18	GHz
2	Gain	12	14		dB
4	Gain Flatness		±2.5		db
5	Noise Figure	-		3.5	dB
6	P1dB Output Power	15			dBm
7	Psat Output Power	16			dBm
8	VSWR			2.0	-
9	Supply Voltage			+12	V
10	DC Current		500		mA
11	Input Max Power			20	dBm
12	Connecter	SMA-F			
13	Spurious		-60		dBc
14	Voltage Control Terminal	PINorJ30J-9ZKP			
15	Impedance		50		Ω
16	Operational Temperature	-40°C ~ +55°C			
15	Weight	50G			
16	Preferred finish	yellow			

Environmental Specifications	
Operational Temperature	-40°C~+55°C
Storage Temperature	-50°C~+95°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 11 msec half sine wave, 3 axis both directions
Mechanical Specifications	
Housing	Aluminum
Connector	stainless steel

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

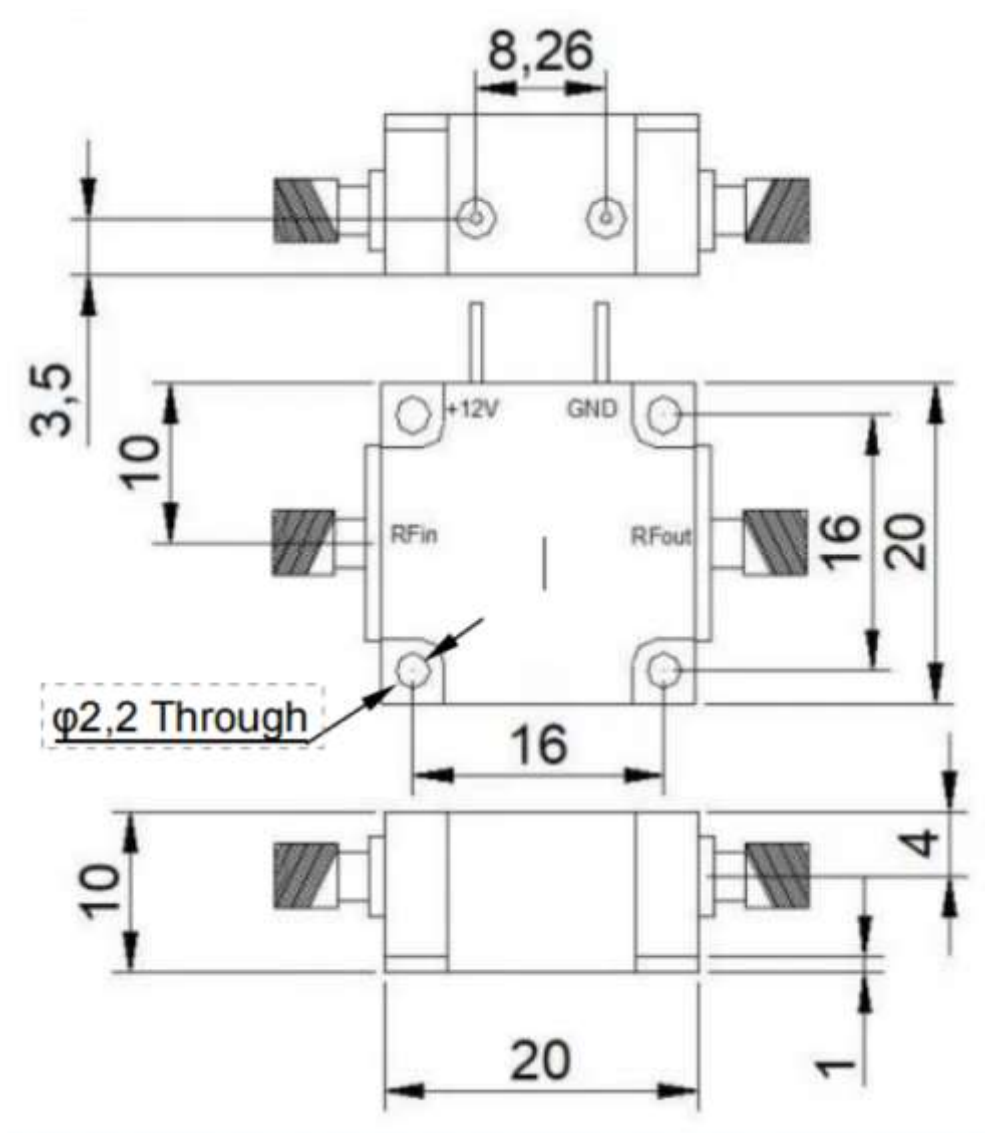
### Outline Drawing:

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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