

Product: Low noise amplifier

Part Number: LNA-0.01/50-50



Specification					
No.	Parameter	Minimum	Typical	Maximum	Units
1	Frequency range	0.01	-	50	GHz
2	Gain	44	50		dB
4	Gain Flatness			±3.0	db
5	Noise Figure		4.5	6.5	dB
6	P1dB Output Power		20		dBm
7	Psat Output Power		22		dBm
8	VSWR			2.0	-
9	Supply Voltage			+12	V
10	DC Current		500		mA
11	Input Max Power(No damage)			10	dBm
12	Connecter	2.4-F			
13	Voltage Control Terminal	Core Capacitor			
14	Spurious	-60			dBc
15	Impedance		50		Ω
16	Operational Temperature	0°C ~ +50°C			
15	Weight	50G			
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

成都利德尔科技有限公司 ChengDu Leader Microwave Technology Co.,Ltd

电话: 028-65199117 传真: 028-65199116

<http://www.leadermicrowave.com> sales@leader-mw.com

TEL: +86-28-65199117 FAX: +86-28-65199116

Add: 中国 成都市成华区华翰路 89 号 610000

No.89,Huahan Road, chenghua Zone Chengdu, Sichuan China Zip Code:610000

Female Contact:	gold plated beryllium brass
Rohs	compliant
Weight	0.5kg

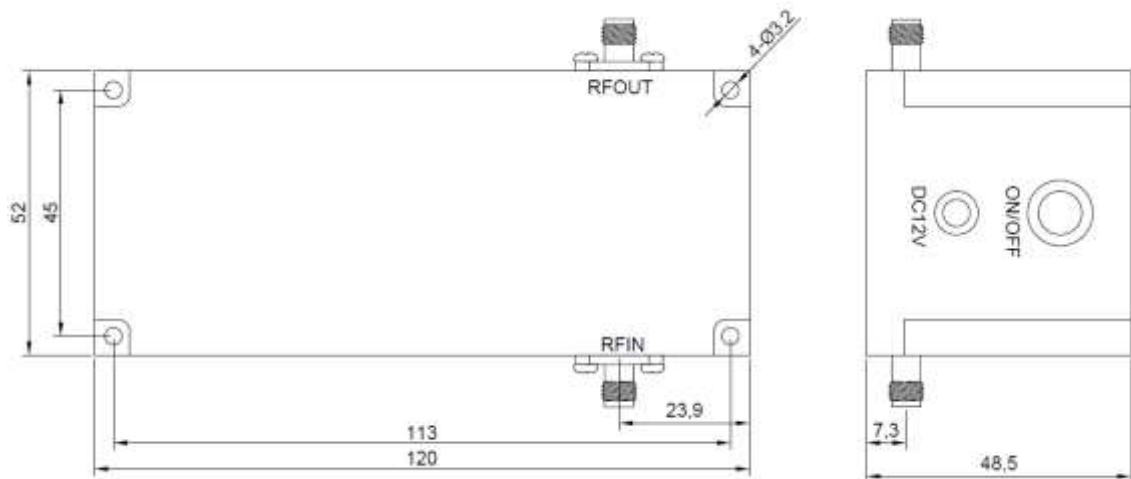
Outline Drawing:

All Dimensions in mm

Outline Tolerances $\pm 0.5(0.02)$

Mounting Holes Tolerances $\pm 0.2(0.008)$

All Connectors: 2.4-Female



The module is equipped with an adapter, which can be directly used for 220V power connection. The adapter is shown in the figure below



TEST DATA

成都利德尔科技有限公司 ChengDu Leader Microwave Technology Co.,Ltd

电话: 028-65199117 传真: 028-65199116

<http://www.leadermicrowave.com> sales@leader-mw.com

TEL: +86-28-65199117 FAX: +86-28-65199116

Add: 中国 成都市成华区华翰路 89 号 610000

No.89,Huahan Road, chenghua Zone Chengdu, Sichuan China Zip Code:610000

成都利德尔科技有限公司 ChengDu Leader Microwave Technology Co.,Ltd

电话: 028-65199117 传真: 028-65199116

<http://www.leadermicrowave.com> sales@leader-mw.com

TEL: +86-28-65199117 FAX: +86-28-65199116

Add: 中国 成都市成华区华翰路 89 号 610000

No.89,Huahan Road, chenghua Zone Chengdu, Sichuan China Zip Code:610000