LNA-40-04001200-40-25P
LOW NOISE AMPLIFIER



FEATURES

- Unconditionally stable
- 50 Ohm input and output match
- Internally regulated
- Hermetically sealed package available
- Available as RoHS compliant

TYPICAL APPLICATIONS

- Wireless Infrastructure
- RF Microwave and VSAT
- Military and Aerospace
- Test Instruments
- Fiber Optics

ELECTRICAL SPECIFICATIONS (23°C)

Parameter	Min	Max	Typ	Units
Frequency Range	4	12	-	GHz
Noise Figure	-	4	-	dB
Gain	40	-	-	dB
Gain Flatness (+/-)	-	2	-	dB
Output Power @ P1dB	25	-	-	dBm
Input VSWR	-	2.2	-	-
Output VSWR	-	2.2	-	-
Voltage	-	-	15	VDC
Current		550	-	mA

Absolute Maximum Ratings

Parameter	Rating	Units
Operating Voltage	20	V
RF Input Power	13	dBm
Operating Temperature	-55 to +85	°C
Non-Operating Temp Range	-65 to +125	°C

Mechanical Specifications

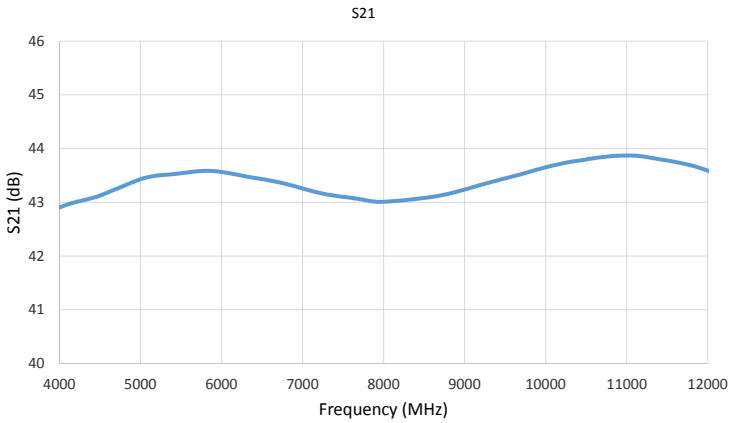
Size (inches)	
Length	0.89
Width	0.64
Height	0.31
Input Connector	SMA(F)
Output Connector	SMA(F)

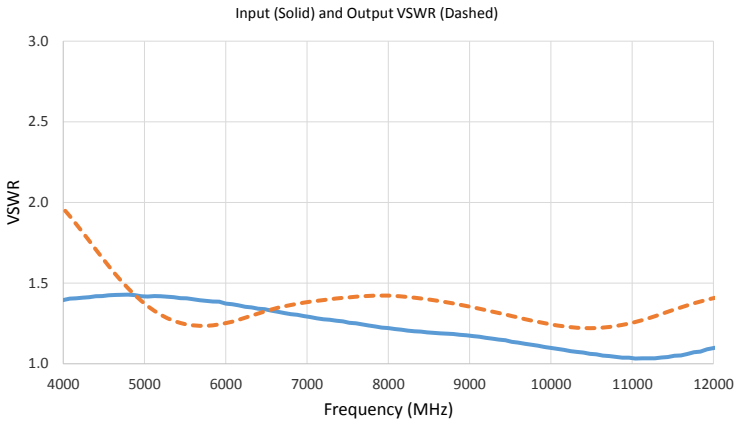
The material presented in this datasheet was current at the time of publication. Narda-MITEQ's continuing product improvement program makes it necessary to reserve the right to change our mechanical and electrical specifications without notice. If either of these parameters is critical, please contact the factory to verify that the information is current.

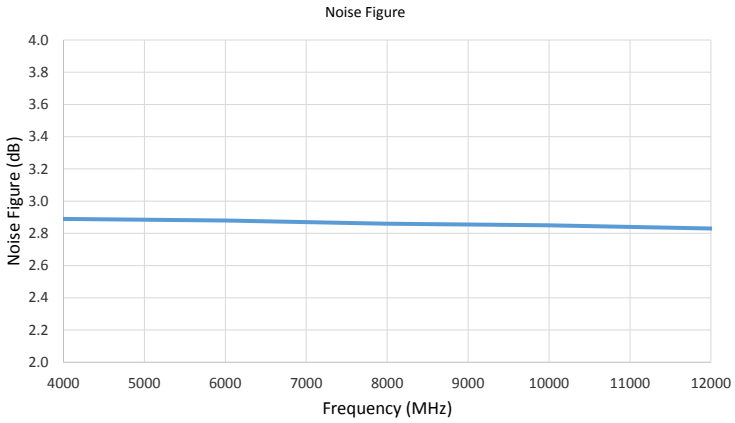
This material consists of Narda-MITEQ general capabilities information and does not contain controlled technical data as defined within the International Traffic in Arms (ITAR) Part 120.10 or Export Administration Regulations.
(EAR) Part 734.7-11. D-405/05.01.18

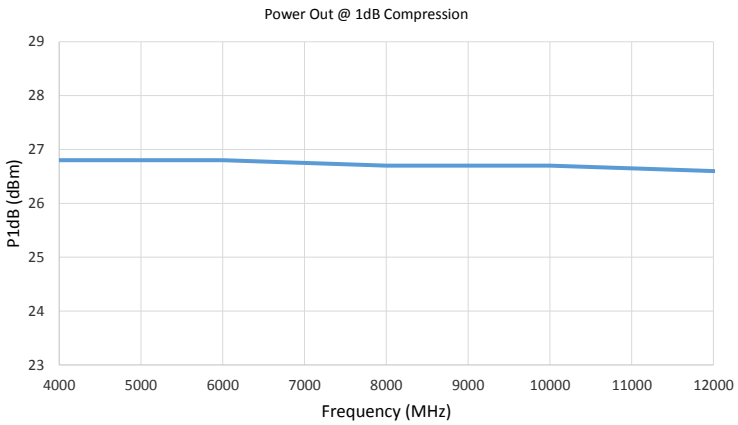
435 Moreland Road
Hauppauge, NY 11788
Tel : 631-231-1700
Fax: 631-231-1711
Email: componentsnm@nardamiteq.com
www.nardamiteq.com

*Typical data shown below



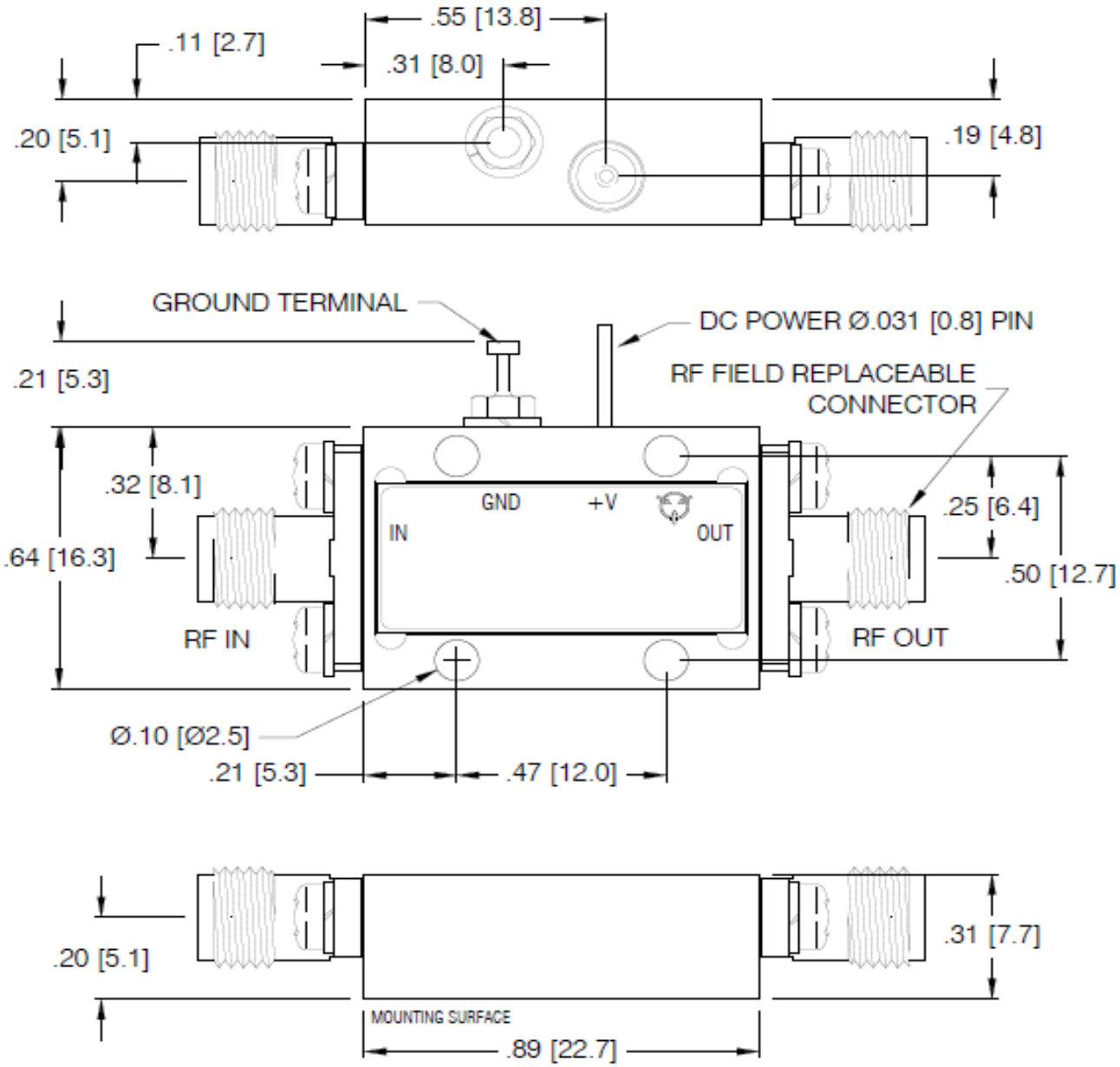






Environmental Specifications		
Parameter	**Standard**	**Description**
Operational temperature		-55 C to +85 C
Storage temperature		-65 C to +125 C
Random Vibration	MIL-STD-883K, Method 2026, Cond. IB	50 - 2000 Hz, 7.3 Grms
Humidity	MIL-STD-202, Method 103B, Cond. B	95% RH
Altitude	MIL-STD-883K, Method 1001, Cond. C	50,000 feet
Amplifiers are designed to meet the above conditions. If ESS testing is required please contact factory.		

435 Moreland Road
Hauppauge, NY 11788
Tel : 631-231-1700
Fax: 631-231-1711
Email: componentsnm@nardamiteq.com
www.nardamiteq.com


.55 [13.8]
.11 [2.7]
.31 [8.0]
.20 [5.1]
.19 [4.8]
GROUND TERMINAL
DC POWER Ø.031 [0.8] PIN
.21 [5.3]
RF FIELD REPLACEABLE
CONNECTOR
.32 [8.1]
GND
+V
IN
OUT
.25 [6.4]
.64 [16.3]
.50 [12.7]
RF IN
RF OUT
Ø.10 [Ø2.5]
.21 [5.3]
.47 [12.0]
.20 [5.1]
.31 [7.7]
MOUNTING SURFACE
.89 [22.7]