

Typical Applications

- Aerospace and military applications
- Cellular/PCS/3G
- Fixed Wireless & WLAN
- Private Land Mobile Rad

Main Features

Broadband Low Noise Amplifier 0.01 – 3 GHz
 Psat Output Power +20 dBm typ.
 High P1dB > +19 dBm Full Band
 No External Matching Required
 High peak to average handle capability
 Customization available upon request

Electrical Specifications, Ta = +25°, Vdd = +12V

Parameter	Unit	Specification
Frequency Range	GHz	0.01 - 3
Gain	dB	32 typ.
Gain variation	dB	+ - 2
Gain variation over Temperature	dB	0.5 typ. 0.8 max
Noise Figure	dB	2.0 typ. 2.5 max
Input VSWR		1.6 : 1 typ. / 2.2 : 1 max
Ouput VSWR		1.8 : 1 typ. / 2.0 : 1 max
1 dB Compression Output Power (P1dB)	dBm	19 min 20 typ.
Saturated Output Power	dBm	20 min 21 typ.
Output Third Order Intercept (OIP3)	dBm	30 typ.
Supply Current (Vdd=+12V)	mA	250 typ. 280 max
Maximum Input Power	dBm	-5 typ.
In/Out Impedance	Ohm	50 typ.

TWDBLNA-01M-03GA

Low Noise Amplifier

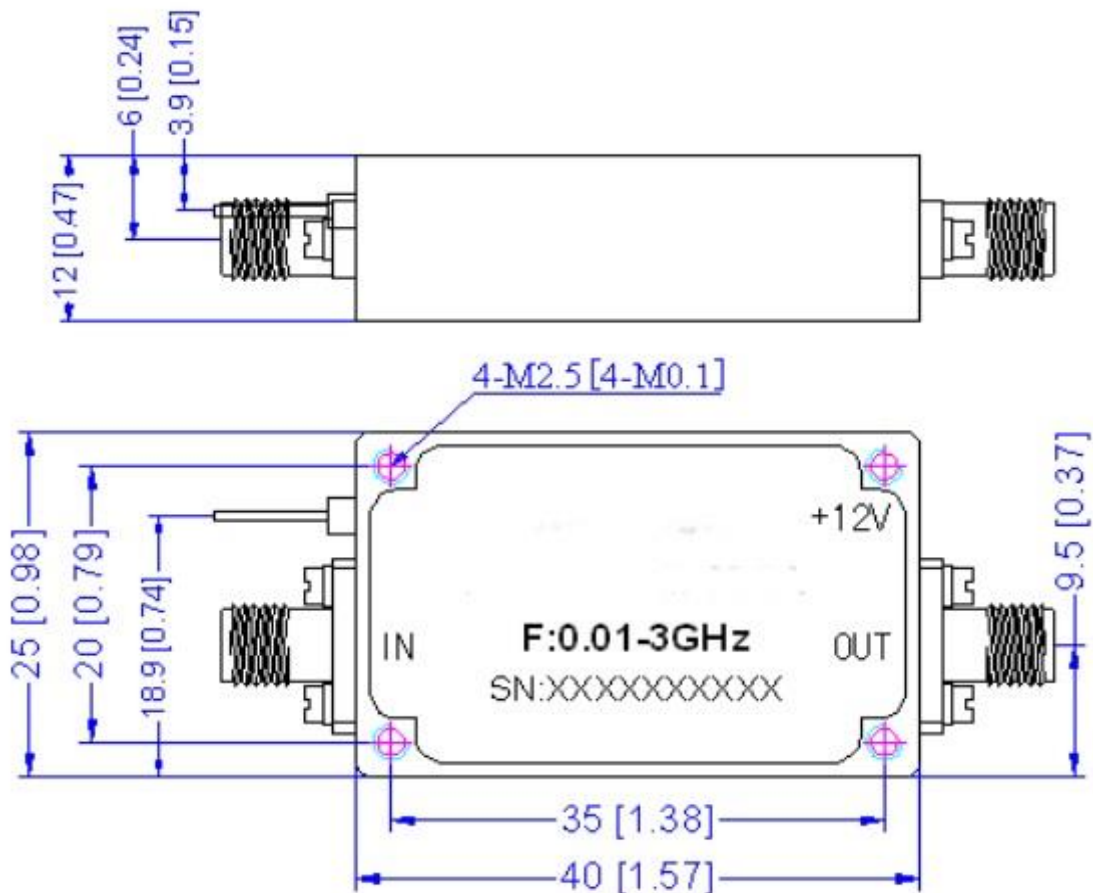
Mechanical Specifications

Parameter	Unit	Specification
RF connectors		SMA - Female
Material		Aluminum / Copper
Weight	g	70 typ.

Outline drawing

All dimensions in mm [inch]

Heat sink required during operation



Products and Product Information are Subject to Change Without Notice