



Features:

- Low noise figure
- Broad operating bandwidth

Applications:

Engineering Prototypes
Low Noise Receivers
Communication Systems
Radar Systems

Specifications

Electrical Specifications, TA = +25° C, With Vdd = +12V

Parameters	Min.	Typ.	Max.	Units
Frequency Range	1		6	GHz
Gain	30			dB
Gain flatness			± 1.5	dB
Noise Figure			1.3	dB
Input VSWR			2	
Output VSWR			2	
Output Power For 1dB Compression (P-1dB)	10			dBm
Output Third Order Intercept (IP3)		20		dBm
Supply Current (Idd) (Vdd=+12V)		100		mA
Outline Drawing Size		34.4*16.8*8.1		mm
Input /Output Connector		SMA female		
Finishing		Nickel-plate		
Material		Aluminum		

The information contained in this document is accurate to the best of our knowledge and representative of the part described herein. It may be necessary to make modifications to the part and/or the documentation of the part, in order to implement improvements. Amwav reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal.

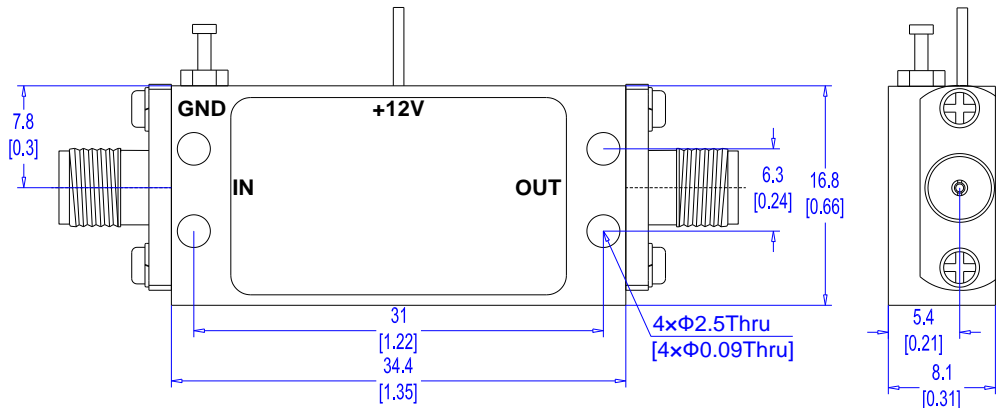


ATTENTION
OBSERVE PRECAUTIONS
FOR HANDLING
ELECTROSTATIC
SENSITIVE DEVICES

Absolute Maximum Ratings

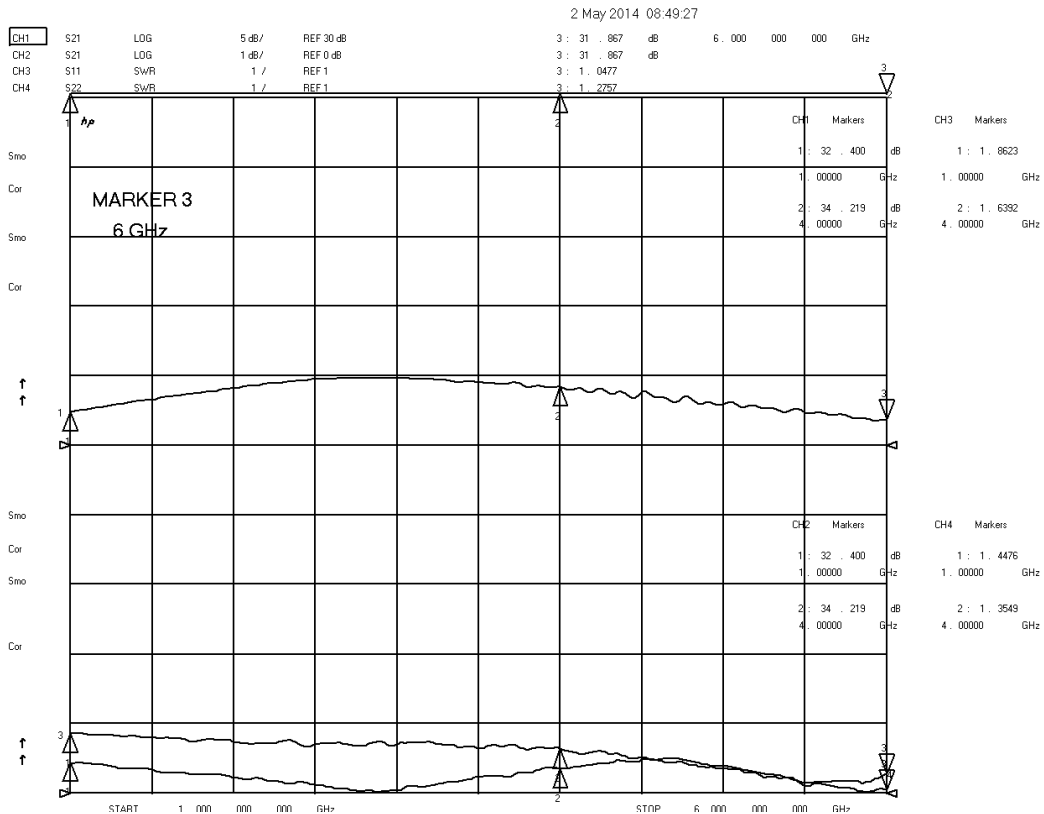
Biassing	+13V
Input RF power	15dBm
Operating Temperature	-45 ~ +85
Storage Temperature (C°)	-55 ~ +125

Outline Drawing:



AA-2

Test Curve:



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TITLE

AWLNA-1-6GSA

Notes:

- All SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE AT ANY TIME
- DIMENSIONS ARE IN MM.

Scale

1/1

DWG No.

REV

A