

ALN50M1.5G-30

High Power Low Noise Amp

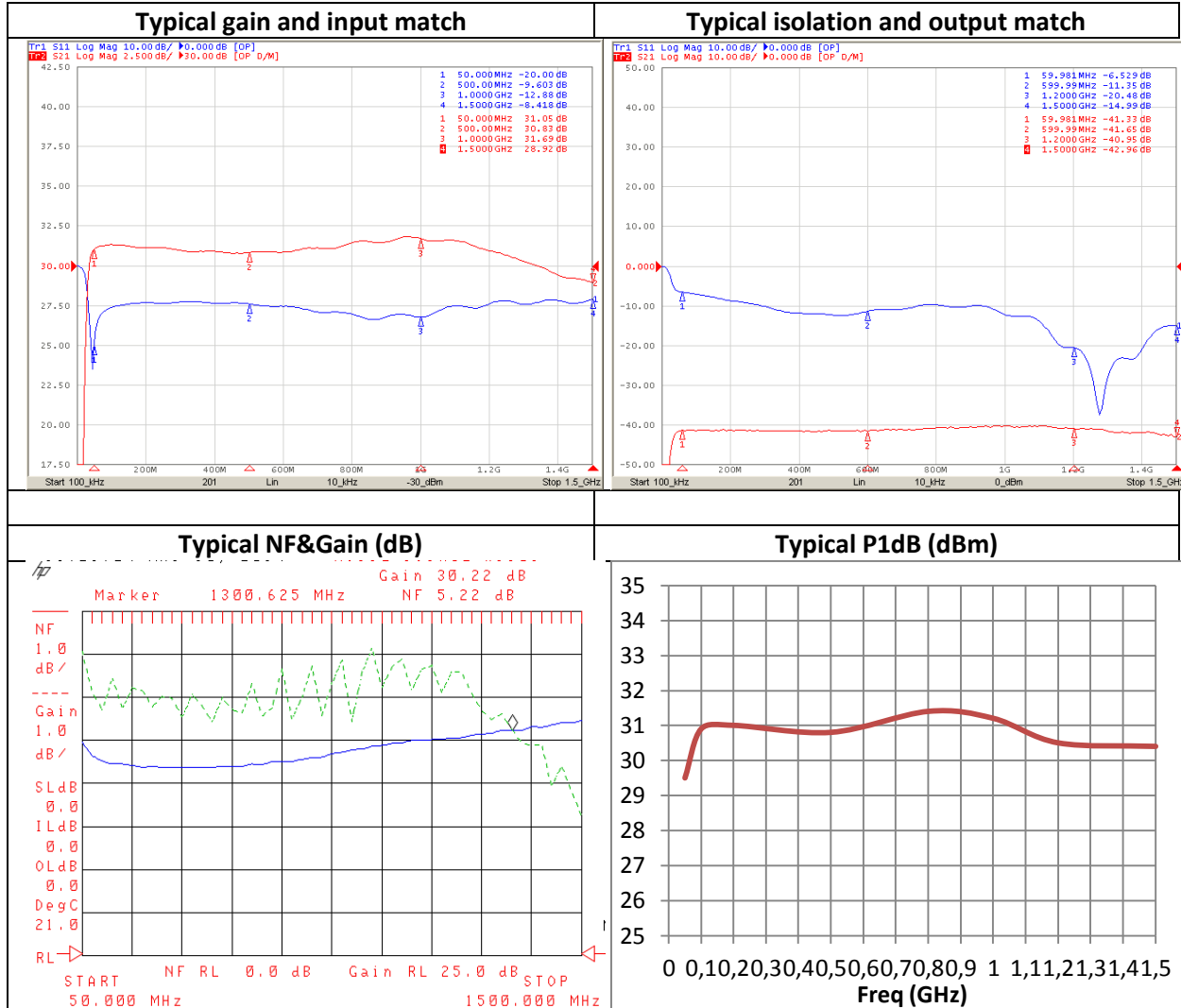
- 50MHz to 1500MHz
- Gain: 30.0dB
- NF: 4.3dB typ
- P1dB: +30.0dBm
- OIP3: +44.0dBm
- I/O matched 50Ω



	Unit	Min	Typ.	Max.	
Bandwidth	MHz	50		1500	
Gain (S21):	dB		30		
Gain flatness	dB			±1.0	50MHz-1.3GHz
				±2.5	
Input match:	dB		-10		
Output match:	dB		-10		
Isolation:	dB	40			
OIP3:	dBm		44.0		
P1dB:	dBm		30.0		
NF:	dB	4.3		5.5	50MHz-1.5GHz
Input Power	dBm			+13	
Current sink	mA		500		Heatsink required
Power supply	V		12		
Operating case temperature	°C	-20		+70	
Storage temperature	°C	-55		+125	
Dimensions		See outline drawing			
Weight	g		85		

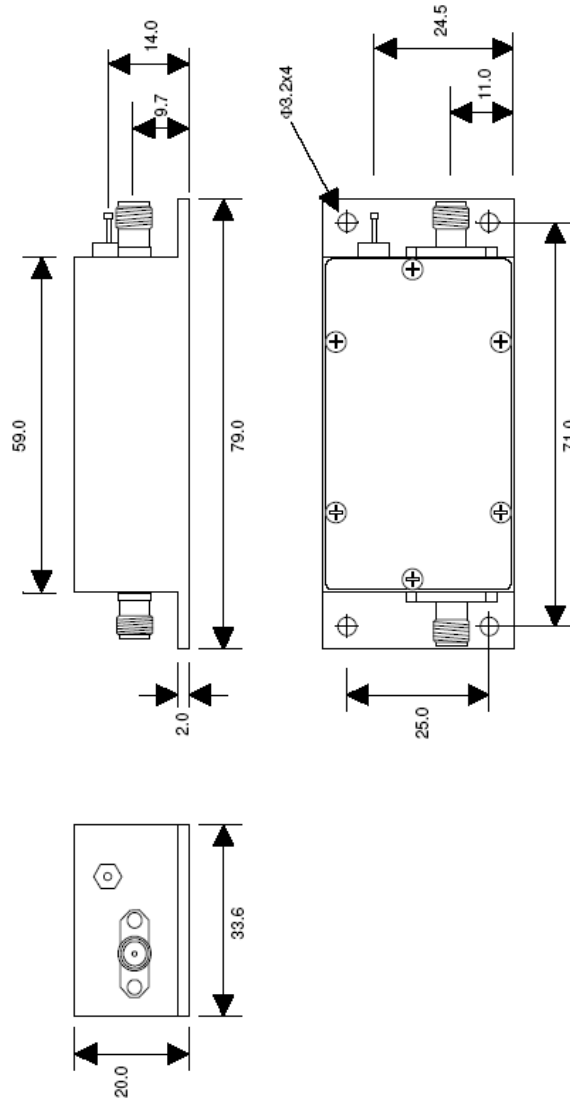
Measured at 25°C, in a 50Ω system at room temperature unless otherwise specified

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Outline Drawing



Echelle 1	Mat. Alu 2017	Dess. : FD
Atlantic RF Labs	HP-LNA	Approuvé : FD
48, Avenue de pinsan 33370 ARTIGUES		Fichier : MEI2004-B.DRW
		Format : A4
		Ver: B

Finishing: Nickel-plated (except connectors)
All dimensions in mm
Tolerance: +/-0.1mm