

# ALN100k600M-50

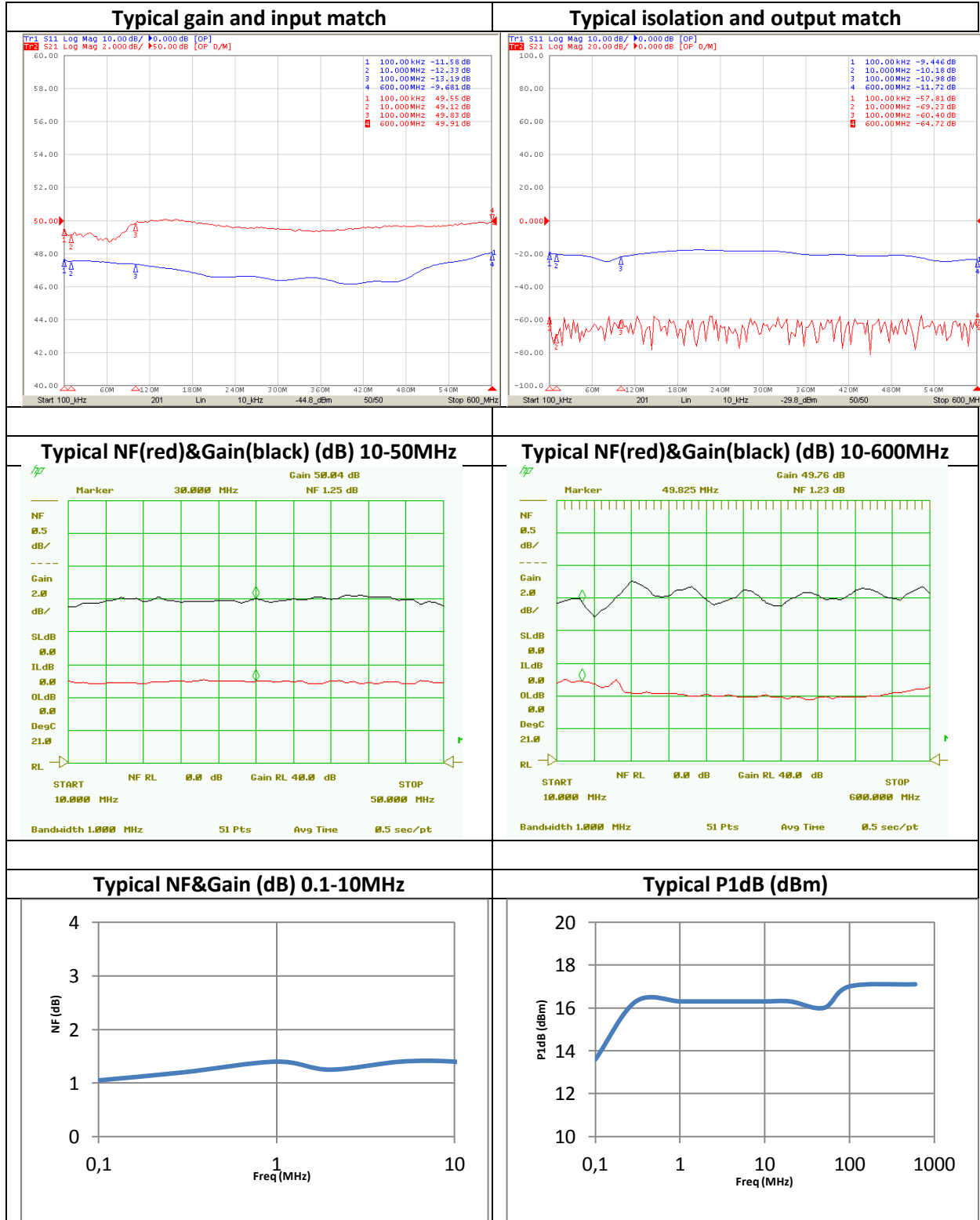
## Wideband Low Noise Amp

- 100kHz to 600MHz
- Gain: 50.0dB
- Gain flatness better than  $\pm 1.0$ dB
- NF: 1.0dB typ
- P1dB: +16.0dBm
- OIP3: +30.0dBm
- I/O matched  $50\Omega$

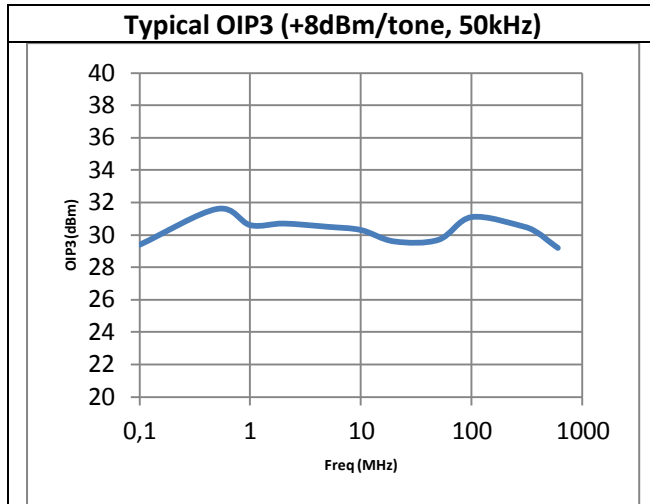


	Unit	Min	Typ.	Max.	Note
Bandwidth	MHz	0.1		600	
Gain (S21):	dB		50.0		
Flatness	dB			$\pm 1.0$	
Input match:	dB		-10		
Output match:	dB		-10		
Isolation:	dB	60			
OIP3:	dBm		30.0		
P1dB:	dBm		16.0		
NF:	dB		1.0	1.3	
Current sink	mA		100		
Power supply	V	10.5	12	18	
Operating case temperature	$^{\circ}\text{C}$	-15		+60	
Storage temperature	$^{\circ}\text{C}$	-55		+100	
Dimensions		See outline drawing			
Weight	g		85		

Measured at 25 $^{\circ}\text{C}$ , in a  $50\Omega$  system at room temperature unless otherwise specified



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## Outline Drawing (all dimensions in mm)

