

APA10k1G-30

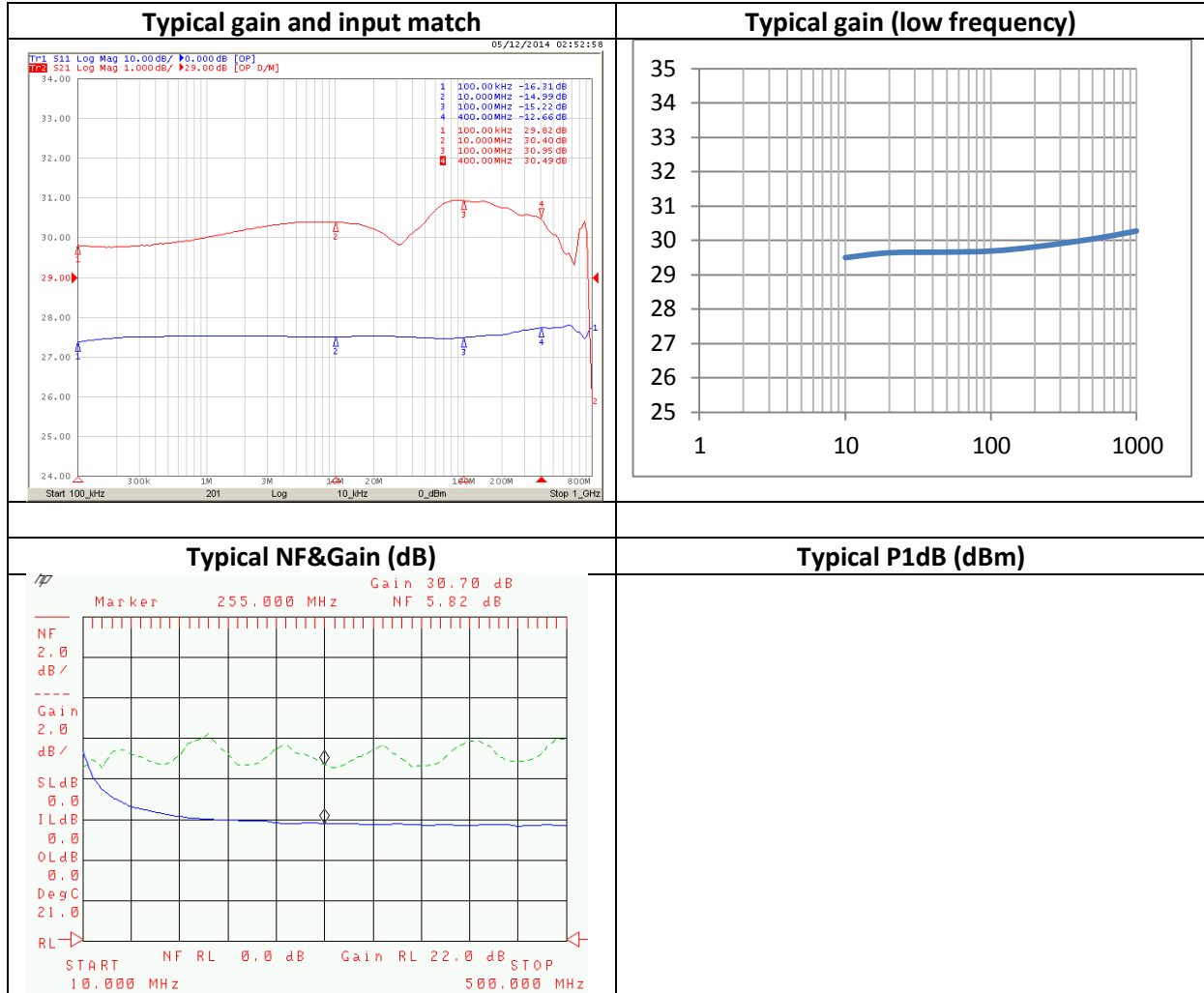
5 Decades Power Amplifier

- 10kHz to 1000MHz
- Gain: 30.0dB
- P1dB: +30.0dBm
- OIP3: +40.0dBm
- I/O matched 50Ω



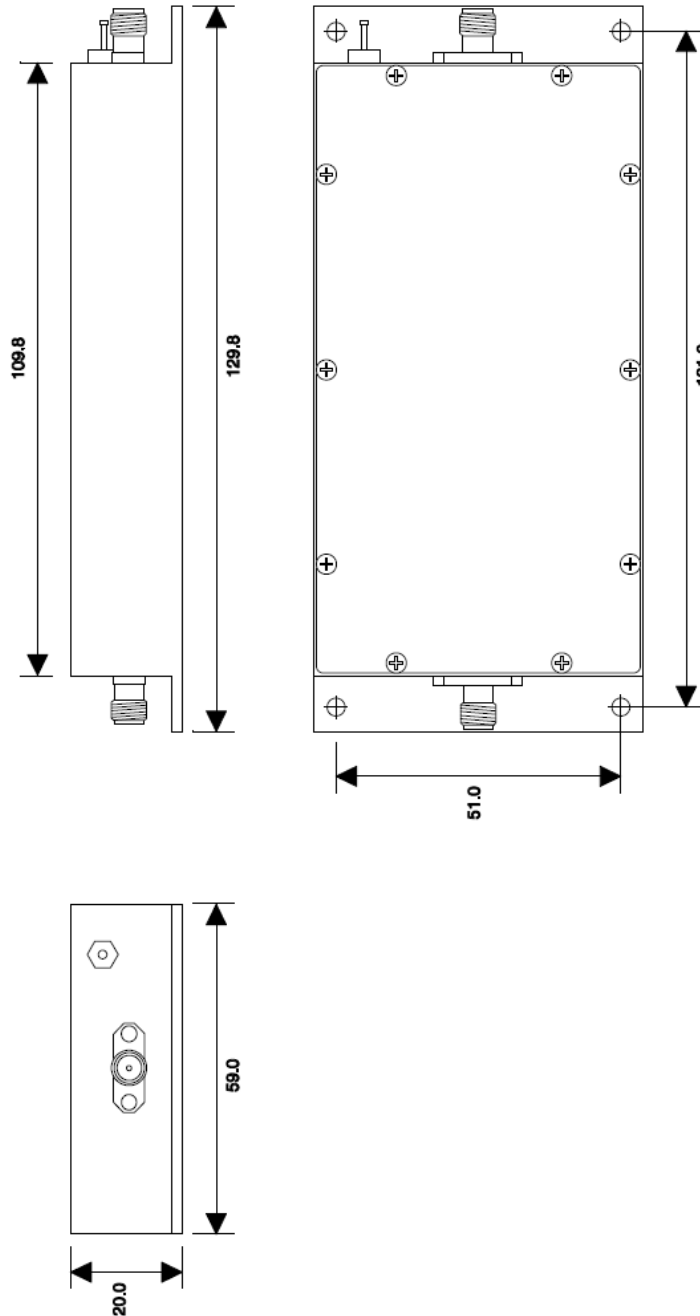
	Unit	Min	Typ.	Max.	
Bandwidth	MHz	0.01		1000	
Gain (S21):	dB		30		
Gain flatness	dB			±1.0	10kHz-500MHz
				±2.5	Full band
Input match:	dB	-12			
Output match:	dB		-10		
OIP3:	dBm		40.0		
P1dB:	dBm	29.0	30.0		
NF:	dB		7.0		50MHz-1.0GHz
Input Power	dBm			+15	
Current sink	mA		550		Heatsink required
Power supply	V		24		
Operating case temperature	°C	-20		+70	
Storage temperature	°C	-55		+125	
Dimensions		See outline drawing			
Weight	g		265		

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	Des: FD	Ver: A
Atlantic RF Labs	PA	Approuvé: FD	
48, Avenue de pinsan 33370 ARTIGUES		Fichier: M21001.DRW	
		Format: A4	

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