



# R-RF-20 model 20G Broadband microwave amplifier



## Description

The R-RF-20 Broadband Microwave Amplifier is a benchtop instrument specifically designed for high-speed lithium niobate electro-optic modulators, and it amplifies tiny high-speed signal levels to a higher level that driving the modulator, and then it drives niobium Lithium (LiNbO3) electro-optical modulator work, and having in the broadband range has a better gain flatness in the broadband range.

## Features

- Adjustable gain
- Output amplitude up to 9V
- Highly integrated
- Easy to use

## Applications

- Microwave photonics
- OFDM system
- Optical fiber sensing system

## Performance parameters

Parameter	Unit	Min	Typ	Max
Operating frequency range	Hz	50K	20G	
Output amplitude	V	5	9	
Gain range	dB			30
Output Power P1dB	dBm	21		
Gain change (ripple)	dB		±1.5	
Isolation	dB		-60	
Noise figure	dB			7
Input / output impedance		-	50	-
Input voltage amplitude	V		0.5	1
Input return loss	dB		-10	
Output return loss	dB		-10	



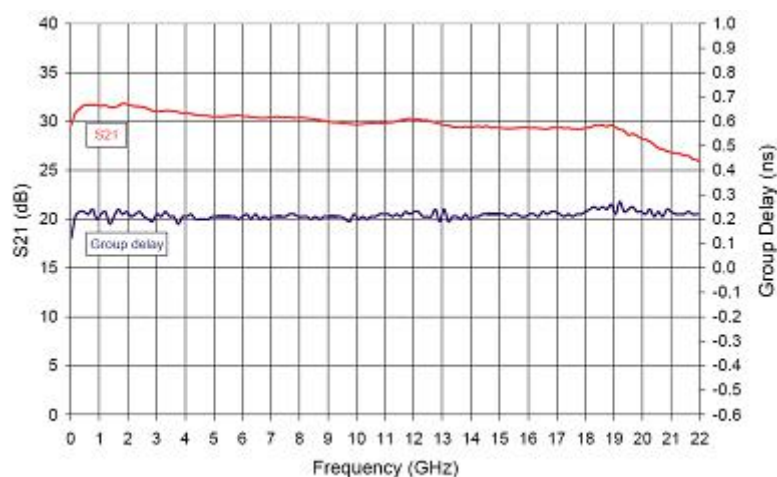
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Dimensions (L x W x H)	mm	270 x 200 x 70
Operating Voltage	V	AC 220
RF interface		K(f)-K(f)

### Limit conditions

Parameter	Unit	Min	Typ	Max
Input voltage amplitude	V			1
Operating temperature	°C	-10		60
Storage temperature	°C	-40		85
humidity	%	5		90

### Characteristic curve



### Ordering information

R	X	XX	XX	X
	Microwave amplifier	Working rate : 10---10Gbps 20---20Gbps 40---40Gbps	Output characteristics: Empty --- standard HO---High voltage output RZ --RZ Signal amplification	Package form D --- desktop

More information is provided on website ([www.rof-oc.com](http://www.rof-oc.com)), you can also contact us for more information by email ([sales@rof-oc.com](mailto:sales@rof-oc.com)).