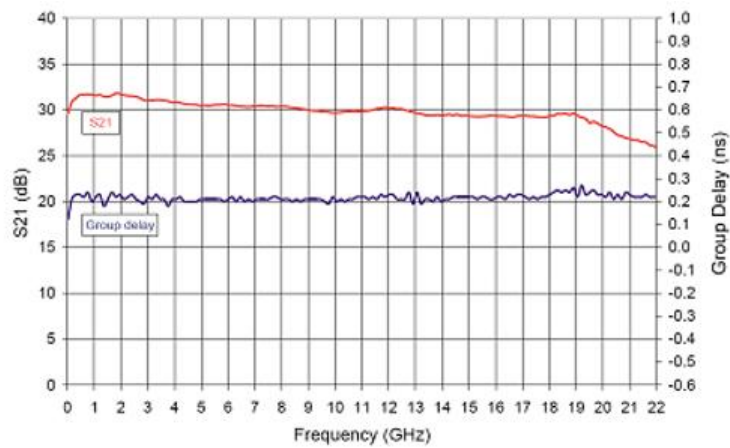
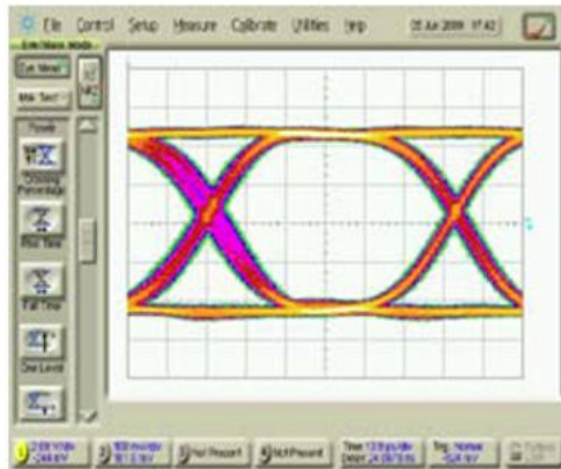
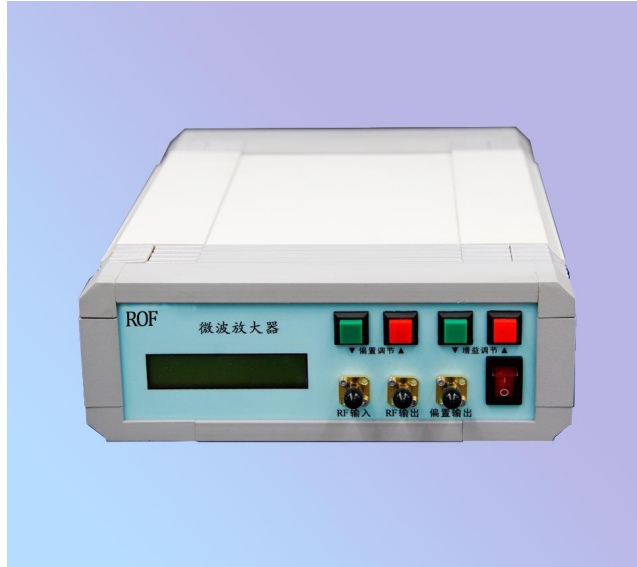


Rof model 10/20/40G Broadband microwave amplifier





10G Broadband microwave amplifier

Short Description:

The R-RF-10-RZ amplifier is a desktop amplifier explicitly designed for RZ code transmission in high-speed optical fiber communication systems. It amplifies tiny high-speed signal levels to a higher level that can drive the modulator and then going Lithium niobate (LiNbO3) electro-optical modulator to work. It has a better gain flatness in the broadband range.

Feature:

12.5Gbps RZ
Output amplitude adjustable
High signal to noise ratio

Application:

10GOptical transmission system
Microwave photonics
OC-192 SONET/SDH system

Performance parameters:

Parameter	Unit	Min	Typ	Max
Transmission rate	Gb/s	0.0001		12.5
Operating frequency range	Hz	75K	10G	
Output amplitude	V	3.5		8
Gain	dB	21		
Output Power P1dB	dBm		21	22
Gain change (ripple)	dB		±1.5	
Rise / fall time	ps		22/22	
Additional jitter	ps		1.1	
Input / output impedance	W	-	50	-
Input voltage amplitude	V		0.5	1
Input voltage standing wave ratio (VSWR)	75K to 10GHz		1.6:1	2.25:1
Output voltage standing wave ratio (VSWR)			2:1	3:1
Dimensions (L x W x H)	mm	270 x 200 x 70		
Operating Voltage	V	AC 220		
Radio interface		SMA(f)		



20G Broadband microwave amplifier

Short Description:

The R-RF-20-RZ amplifier is a desktop amplifier explicitly designed for RZ code transmission in high-speed optical fiber communication systems. It amplifies tiny high-speed signal levels to a higher level that can drive the modulator and then going Lithium niobate (LiNbO3) electro-optical modulator to work. It has a better gain flatness in the broadband range.

Feature:

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

Application:

Microwave photonics
OFDM system
Optical fiber sensing system

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



40G Broadband microwave amplifier

Description

The Rof model 40G Broadband Microwave Amplifier is a benchtop instrument specifically designed for high-speed lithium niobate electro-optic modulators. It amplifies tiny high-speed signal levels to a higher level than driving the modulator. It goes 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 range up to 6.5v
- Highly integrated
- Easy to use

Applications

- 40G optical modulation system
- Fiber test system
- Optical fiber sensing system

Parameter	Unit	Min	Typ	Max
Transmission rate	Gb/s	0.0001		44
Operating frequency range	Hz	50K	40G	
Output amplitude	V	0	6.5	
Gain range	dB	10		32
Adjustment accuracy	V		0.1	
Output Power P1dB	dBm	20		
Gain change (ripple)	dB		±1.5	
Rise / fall time	ps		8	12
Additional jitter	ps		0.42	
Input / output impedance		-	50	-
Input voltage amplitude	V		0.5	1
Input voltage standing wave ratio (VSWR)	75K to 10GHz		1.6:1	2.25:1
Output voltage standing wave ratio (VSWR)			2:1	3:1
Dimensions (L x W x H)	mm	270 x 200 x 70		
Operating Voltage	V	AC 220		
Radio interface		V(f)-V(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

ordering information:

R	RF	XX	X
	Microwave amplifier	Working rate : 10---10Gbps 20---20Gbps 40---40Gbps	Package form D --- desktop