



R-RF-10-RZ model 10G RZ Broadband microwave amplifier



Description

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

Features

- 12.5Gbps RZ
- Output amplitude adjustable
- High signal to noise ratio

Applications

- 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			-	50	-
Input voltage amplitude		V		0.5	1
Input voltage standing wave ratio （VSWR）	75K to 10GHz			1.6:1	2.25:1



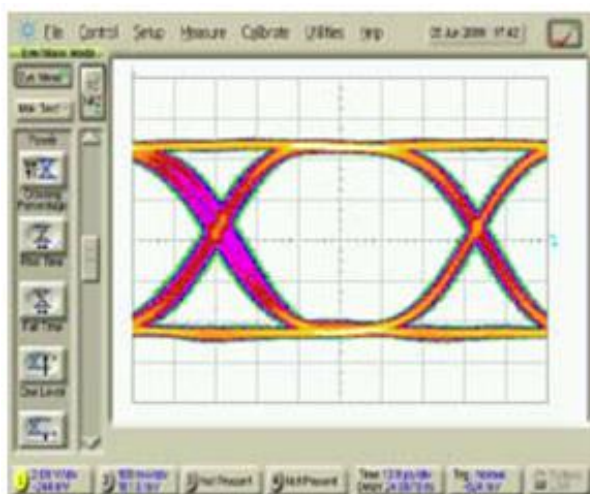
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Output voltage standing wave ratio (VSWR)			2:1	3:1
Dimensions (L x W x H)	mm	270 x 200 x 70		
Operating Voltage	V	AC 220		
Radio interface		SMA(f)		

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

Output eye diagram



Ordering information

R	RF	XX	XX	X
	Microwave amplifier	Operating 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), you can also contact us for more information by email (sales@rof-oc.com).