



R-RF-40 model 40G 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

- Gain adjustable
- Output range up to 6.5V
- Highly integrated
- Easy to use

Applications

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

Performance parameters

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	0		26
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	-



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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	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), you can also contact us for more information by email (sales@rof-oc.com).