

Features



Compact size, light weight and easy installation ;



Optical power receiving range +2~-20dB;



Optical AGC control range 0~-10dBm(Optional 10dB range);



Operating RF 40~1000MHz;



Operating voltage +5V, Total power ≤1.2W ;



Ultra low optical power output;



Optical power LED display (green LED light when optical power ≥-10dBm).

Technology Specifications

Performance	Parameter	unit	Value	Description
1. Optical Feature	CATV work wavelength	(nm)	1260~1620	Optical Receiver range
			1540~1563	Filter for CATV 1550 nm
	Channel Isolation	(dB)	≥40	1550 & 1490nm
	Responsibility	(A/W)	≥0.85	1550nm
	Receiving power	(dBm)	0 ~ -10	Analog TV (CNR>41dB)
			0 ~ -10	Digital TV (MER>32dB)
	Optical return loss	(dB)	≥55	
	Optical fiber connector		SC/APC	Type of Optical connector (Green color)
	2. RF feature	Work bandwidth	(MHz)	40 ~ 1000
Flatness		(dB)	≤± 1.5	40 ~ 860MHz
Output level(1/2/3/4)		(dBmV)	≥78	Optical power (0 to - 10dBm)
Return loss		(dB)	≥14	40 ~ 1000MHz
Output impedance		(Ω)	75	Impedance 75 Ohms
3. Analog TV Link Feature	Test channel	CH	54CH(PAL-B/G)	Digital BW 8MHz 256 QAM full CH loading
	OMI	(%)	3.8	Optical Modulation Index
	CNR1	(dB)	52	Pin=-1dBm
	CNR2	(dB)	46	Pin=-10dBm
	CTB	(dB)	≤-65	Pin:0~-10dBm
	CSO	(dB)	≤-60	Pin:0~-10dBm
4. Digital TV	MER	(dB)	≥36	Pin : +0 to -10dBm

Link Feature			≥30	Pin < -10dBm
	BER	(dB)	<1.0E-9	Pin :0~ -10dBm, Please looking table
5. General Feature	Power supply	(V)	DC+5V	
	Power Current	(A)	0.19± 0.01	
	Work temp	(°C)	-10 ~ +50	Working Temperature
	Storage temp	(°C)	-40 ~ 85	Storage temperature
	Work relative temp	(%)	5 ~ 95	Humidity
	Dimension	(mm)	LxWxH	(mm)

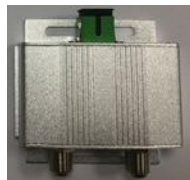
Ordering Information

SR1030AF

40-1002MHz Micro Node Receiver with AGC function 3Way Output

SR1040AF

40-1002MHz Micro Node Receiver with AGC function 4Way Output



Test output comparison:					
		One output	Two output	3 output	4 output
SR1030AF		78dBuV	78dBuV	78dBuV	
SR1040AF		78dBuV	78dBuV	78dBuV	78dBuV