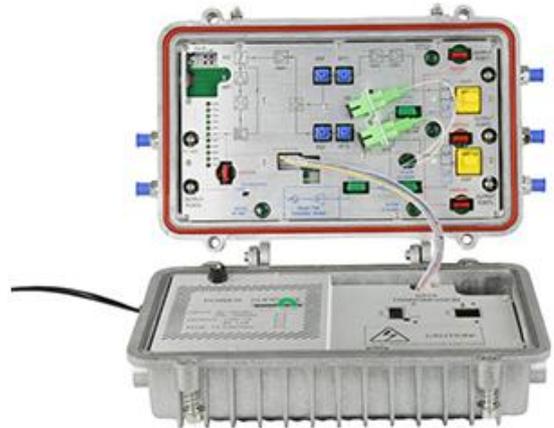


The BC21OR02 series optical node is an outdoor 4 outputs waterproofing receiver. It is mainly used in the building, community or village with concentrated users and high level multi outputs distribution network. Also suitable to be used in the place where it is not convenient to take the electricity and single equipment drives many users. It can work together with ONU or EOC to realize the network convergence.



Main Features

- High responsivity P_{in} photoelectric switch tube
- Precision detection circuit can real - time display the output power through LED lamp or digital tube accurately
- Optimize the circuit design, SMT module amplifier classic circuit photo electricity signal transmission is more fluency
- Power double output, high gain, low distortion, compact structure, convenient installation, is the first choice equipment of FTTB CATV network
- Excellent optical AGC control technique, when the input optical power range is $-8 \sim +2\text{dBm}$, the output level, CTB and CSO basically unchanged

Specification

	Item	Parameter
Optical (Forward Path)	Receiving Optical Power	-8 ~ +2 dBm
	Optical Receiving Wavelength	1100 ~ 1600 nm
	Optical return loss	> 45 dB
	Optical Connector Type	SC/APC or specified by the user
	Fiber Type	Single mode
Link (Forward Path)	C/N	≥ 51 dB
	C/CTB	≥ 65 dB (-2dBm input, output power 106B μ V, ATT 0dB)
	C/CSO	≥ 60 dB (-2dBm input, output power 106B μ V, ATT 0dB)

	Item	Parameter
RF (Forward Path)	Frequency Range	45 ~862 MHz
	Flatness in Band	± 0.75 dB
	Rated Output Level	$\geq 108(-8 \sim 2\text{dBm})$ dB μ V
	Max Output Level	≥ 110 dB μ V
	Output Return Loss	≥ 14 dB
	Output Impedance	75 Ω
Return Path Parameters	Wavelength	1100-1600 nm
	Bandwidth	5-30MHz & 42MHz & 65MHz(max:200MHz)
	Output power	1&2 mW
	Flatness	± 0.75 dB
General Characteristics	Power Voltage	A: AC (150~265) V; B: AC (35~90) V
	Operating Temperature	-40 ~ 60°C
	Consumption	≤ 30 VA
	Dimension	325 × 200 × 120mm