

The BC21R33 series FTTH optical receiver is specifically designed for CATV FTTH network. Adopting aluminum alloy shell, with optical control AGC circuit built in, compact structure and external modular power supply make the installation and debugging very convenient. It is an ideal product to build FTTH CATV network.



Main Features

- Low power consumption
- AGC optical constant level output
- Aluminum alloy shell
- Optical control AGC circuit built in
- External modular power

Specification

	Item	Parameter
Optical	Wavelength	1260 ~ 1620 nm, 1540 ~ 1563 nm
	Pass Wavelength	1310/1490 nm
	Optical return loss	≥ 45 dB
	Optical input range	0 ~ -9 dBm, Analog TV 0 ~ -15 dBm, Digital TV
RF	Bandwidth	47 ~ 862 MHz
	RF output level	≥ 82 dBuV (P_{in} : -7.0 ~ +2.0dBm)
	Flatness	± 0.75 dB
	Impedance	75 Ω
	AGC control range	0 ~ -9 dBm
	AGC character	$\leq \pm 0.5$ dB, (P_{in} : -7.0 ~ +2.0dBm)
	ATT.	0-20 dB
	Output return loss	≥ 14 dB (47 ~ 862 MHz)
	CNR	≥ 51 dB
	CTB	≥ 65 dB
	CSO	≥ 62 dB
User Interface	Power supply	DC8V
	Power consumption	≤ 3 W
	Operating temperature	-20° C to + 60° C
	Dimension	105 × 67 × 25 mm

Ordering Information

Model	Product Description
BC21R33A	Wavelength 1260 ~ 1620 nm
BC21R33AC	Wavelength 1540 ~ 1563 nm