

The BC21R21 series optical receiver is specifically designed for CATV FTTH network. It's main feature is low power consumption, small volume and high reliability. Adopting aluminum alloy shell. It is an ideal product to build FTTH CATV network.



### Main Features

- Low power consumption
- Aluminum alloy shell, small Volume and high reliability
- Built-in WDM

### Specification

Item	Parameter
Input optical power	-10 ~ 2 dBm
Optical return loss	>45 dB
Optical connector form	FC/APC or SC/APC or FC/PC or SC/PC
Frequency range	47~1000MHz
In-band flatness	$\pm 1$ dB@45~1006MHz
RF output reflection	$\geq 16$ dB@ 47~550MHz, $\geq 14$ dB@1006MHz
Output level	62dBuV@0dBm input power
Output port number	1
RF output impedance	75 $\Omega$
Operating temperature	-20°C ~ +55°C
Receive wavelength	1550 nm
Bypass wavelength	1310/1490 nm
Responsively	>0.9A/W
Optical Fiber Type	Single Mode
RF Connector	F-female or F-male
CNR	$\geq 51$ dB
CTB	$\geq 65$ dB
CSO	$\geq 62$ dB
Product net size	72 × 68 × 25 mm
Product net weight	0.076 kg