

RBR-2105

FTTB Indoor Optical Receiver



Product Description

RBR2105 FTTB indoor optical receiver is specialized in response to FTTH and FTTB network of the group structure introduced specialty products. This product has a compact structure and the internal circuitry is reasonable, its housing is made of special aluminum alloy, special drawing oxidation treatment the surface; Not only excellent performance, but also high-grade and beautiful appearance.

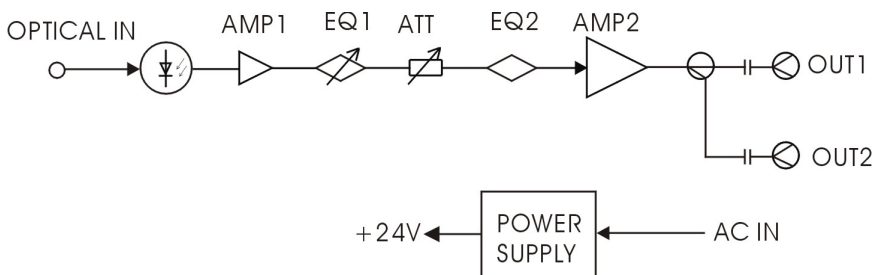
Application

1. FTTB network
2. FTTH network

Features

1. Input optical power $-7\text{dBm} \sim 0\text{dBm}$.
2. Max output level 105dBuV .
3. Gain control MGC.
4. Use GaAs MMIC amplification module.
5. Power supply module build-in.

Block Diagram



Datasheet

| Parameter | Unit | Index |
|-------------------------------|------|------------------|
| Optical Parameter | | |
| Wavelength | nm | 1100~1600 |
| Input Power Range | dBm | -7~0 |
| Return Loss | dB | ≥45 |
| Fiber Type | / | Single Mode |
| Connector Type | / | SC/APC Or FC/APC |
| RF Parameter | | |
| Frequency | MHz | 45~862 |
| Flatness | dB | ±0.75 |
| RF Impedance | Ω | 75 |
| Return Loss | dB | ≥16 |
| Adjustable Attenuation Range | dB | 0~20 |
| Adjustable Equalization Range | dB | 0~20 |
| Max Output Level | dBuV | 105 |
| Output port | / | 2 |
| Link Parameter | | |
| CNR | dB | >51 |
| CTB | dBc | ≤-65 |
| CSO | dBc | ≤-60 |
| General Parameter | | |
| Power supply | V DC | 12 |
| Power Loss | W | <10W |
| Working Temp. | °C | -20~50 |
| Storage Temp. | °C | -40~85 |
| Dimension | mm | 160*97*45 |
| Weight | kg | 1 |