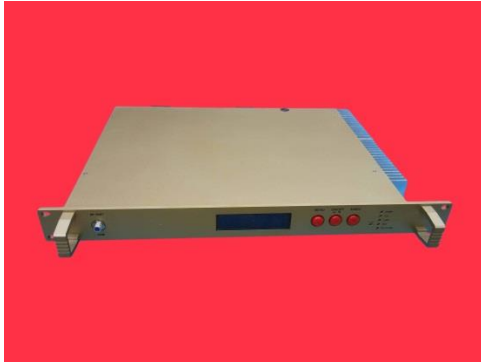


PR-28MW OPTICAL TRANSMITTER



Summary: This type of Optical Node is based on the advanced experience of CATV HFC optical transmission. Mainly used in transmission of the long distance video, image, digital and audio signal.

Performance Characteristics:

- Adopt Philips, Photon and E-O Pin Optical Receiving IC, import Philips or Motorola power doubler amplify module (or depends on customers, adopt GaAs)
- Plug-in insert return reverse transmit parts, could develop the return access conveniently.
- Insert Dual-Filter, insert Fix-Equalizer, Fix Attenuator insert output splitter, eighth-order optical power indication, reasonable testing connector, make more convenient.
- Aluminium waterproof housing, high-capability power switch, anti-thunder system, make sure work properly outdoor.
- Work properly under low-optical power 9dBm. High performance to price ratio, be suitable for medium and small size CATV network.

| Forward Performance Parameter | | | | |
|-------------------------------|--------|--|------|------|
| Optical Parameter | | | | |
| Receive Optical Power | dBm | -5 ~ +2 | | |
| Propose Use Range | dBm | -3 ~ +1 | | |
| Return Loss | dB | >45 | | |
| Optical Wavelength | nm | 1100 ~ 1600 | | |
| Connector Type | | FC/APC, SC/APC | | |
| Fiber Type | | Single Mode | | |
| Circuit Performance | | | | |
| C/N | dB | ≥51 | ≥51 | ≥51 |
| C/CBT | dB | ≥69 | ≥67 | ≥65 |
| C/CSO | dB | ≥62 | ≥61 | ≥60 |
| RF Output Performance | | | | |
| Frequency Range | MHz | 45/87~750/862 | | |
| Flatness in Band | dB | ±0.5(45~550 MHz); ±0.75(550~750/862 MHz) | | |
| Rated Output Level | dB μ V | ≥94 | ≥92 | ≥90 |
| Max Output Level | dB μ V | ≥108 | ≥110 | ≥112 |
| Input RETURN Loss | dB | ≥16(45~550MHz); ≥14(550~750/862MHz) | | |
| Output Impedance | Ω | 75 | | |
| General Performance | | | | |
| Supply Voltage | V | A: AC (135~250) V; B: AC(35~90) V | | |
| Operating Temperature | °C | -40~60 | | |
| Storage Temperature | °C | -40~65 | | |
| Relative Humidity | % | Max 95% No Condensation | | |
| Consumption | VA | ≤ 40 | | |
| Dimension | mm | 340 (L) X 220 (W) X 140 (H) | | |