



FOCUS-10HD

Key word: RF AGC, Digital display

General description

FOCUS-10HD operate bandwidth 47~862MHz, output level $V_{0-92dBuV}$ (2 port equal) RF AGC control (+2~-5dbm) suitable for FTTB optical fiber access network, adopt imported high performance MMIC, which insure low power consumption, high performance, and excellent cost performance RFTV broadcast network ONU (Optical network unit).

Specifications

Features

- RF AGC technician replaced traditional optical AGC, highly improved accuracy
- Smart and convenient digital display, output level adjustable (20dBuV)
- Extra-low noise (3.8% modulate, -10dBm receive, CNR \geq 45dB)
- Metal shell, supply safeguards to opto-electrical sensing device
- High output level can suitable for many users
- Low power consumption, high cost performance
- In the range of 40~870MHz, all have good flatness ($FL \leq \pm 0.8dB$)
- InGaP pHEMT IC technology

| Parameters | Unit | FOCUS-10HD |
|----------------------------|--------------------------|--|
| Bandwidth | MHz | 47~862 |
| Optical Working Wavelength | nm | 1290-1600 |
| Optical Input Power Range | dBm | -9~+2 |
| AGC Range | dB | FTTB:92dBdBuV(-5~+2)/FTTH:72dBuV(-15~+2) |
| Optical Reflection Loss | dB | ≥ 45 |
| Equivalent Noise Figure | P A $\sqrt{}$ | ≤ 8 |
| In-Band Flatness | dB | ± 0.75 |
| Reflection Loss | dB | ≥ 16 |
| RF Output Impedance | Ω | 75 |
| CNR | dB | 51 |
| CTB | dB | ≥ 65 |
| CSO | dB | ≥ 60 |
| Output Level | dB μ V | 95 (1 way) ; 92 (2 way equal) |
| Test Condition | dB μ V | 3.8% OMI, -1dBm Optical Power Receiving |
| DC Input Voltage Range | V | 12 |
| Working Temperature | $^{\circ}C$ | -40 ~ +60 |
| Power Loss | W | <25 |
| Dimension | mm | 130(L) * 32(H) * 90(W) |