

1550nm Optical Transmitter

- ☆ Using in-band isolating device DFB-LD(distributed feed-back) laser generator and pre-distortion. adjusting
- ☆ Built-in APC and ATC circuits to ensure stable optical output power and operating temperature of 25°C(0.5°C) when the circumstance temperature ranges from -10°C TO +60°C.
- ☆ Microcomputer-based real time controlling and monitoring
- ☆ LCD display of optical output power, RF input level, optical modulation degree, Operating voltage, alarm indication



- ☆ Indexes of Laser transmitter and HP8519C analyzer including C/N, CTB and CSO reexamined by GY/143-200 standard with multi-channel generator
- ☆ Built-in proposed RF amplifier of low RF stimulating level (AGC)
- ☆ Perfect safeguarding circuit: for power on safeguard, over excitation safeguard, lightning strike safeguard, and so on.

☆ Two power supply, two PCB card

☆ Input RF Signal could be 60~85dbuV.

Specifications :

1.Optical wavelength	1550nm
2.Grade rang of output power	4~26mw
3.Bandwidth	45~862MHz
4.Flatness	≤±0.75Db
5.Input impedance	75 (F plug seat)
6.Input return loss	≥16Db(45~550MHz);≥14Db(550~870mhZ)
7.Level of input RF singal	72dBuV(77Channels)
8.RFAGC	±5dB/±0.5Db
9.Carrier to noise ratio (C/N)	≥51dBc(optical receiver input-1dBm)
10.C/CTB(triple beat)	≥65dBc
11.C/CSO(second order distortion)	≥60dBc
12.Optical input interface	FC/APC or SC/APC
13.Operating temperature range	0°C~50°C
14.Power supply	AC220V 110V±10% 50Hz 25VA
15.Weight	About 4Kg
16.Dimension	44mm×482mm×360mm

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