

Features

- ◇ High quality E-O PIN-diode receiving module
- ◇ Eight-stage input optical power digital LED display
- ◇ Wide range of input optical power
- ◇ Chinese GaAs amplifier module Power Doublers output module
- ◇ Plug-in splitter(tap) in output and plug-in return path
- ◇ Local and remote powering
- ◇ Weatherproof and RF-screened die-cast housing

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Description

OR5500 Series Field Optical Receiver are the most common transmission equipment of CATV HFC, which mainly used in long distance optical fiber transmission for TV video signal, digital TV signal, telephone voice signal and data signal(compressed data).

Since our first CATV optical receiver come to market in 1995, we have done deep research on all kinds of technical performance parameters for more than 10years, accumulating a lot of experience in product development and engineer in practice. The internal circuit and external structure are much better and the performance is upgraded.

Parameter

Item	Specification
Forward optical receive parameter	
Optical parameter	
Input power range	-5~+2 dBm
Suggested work range	-3~+1 dBm
Optical return loss	> 45 dB
Optical wavelength	1100~1600 nm
Operating fiber type	single mode
System parameter	
C/N	> 51 dB
C/CTB	> 69 dB
C/CSO	> 62 dB
RF parameter	
Frequency range	45/87~862 MHz
Flatness	±0.75 dB
Rated output level	94 (Input Optical Power -2dBm) dBuV
Max. output level	108 dBuV
Return loss	≥16(47-550MHz);≥14(550-862MHz) dB

Output impedance	75Ω
Return optical transmit parameter	
Optical parameter	
Optical wavelength	1310±10 nm
Laser type	FP or DFB
Output optical power	1~5 dBm
RF parameter	
Frequency range	5~30/65 MHz
Flatness	±1.5 dB
Input power level	90~98 dBuV
Input return loss	≥16 dB
Output impedance	75Ω
Noise power ratio dynamic range	≥10 (NPR≥30dB) dB
Connectors	FC/APC or SC/APC, F connector imperial thread
Power supply	AC135~250V(local powering) AC35~90V(remote powering)
Power consumption	40 W
Operating temperature	-40 ~ +60 °C
Storage temperature	-40 ~ +65 °C
Relative humidity	max. 95% no condensation
Dimension	340x220x140 mm

Applications

◇HFC/CATV network

System Chart

