

SUNNISKY ORN8604 Optical Receiver Node

ORN8604 is one bi-directional optical receiver node and the ideal platform to deliver video (digital or analog) as well as high-speed data services over advanced hybrid fiber/coax (HFC) network; this optical receiver node combines the advanced technologies of both the RF amplifier and optical components. Available with four high level RF output ports, the ORN8604 node can provide the full complement of functions required by advanced networks.



Feature

- Four high level output ports with GaAs power double amplifier module to drive
- 25 Ampere current capacity (steady state)
- The ability of protecting circuit to resist surge current
- 40~90V AC high-efficient switch power supply
- Forward redundancy with two 1310/1550nm optical receivers(Optional)
- 6 standard fiber adaptor interfaces
- One 4 in 1 or four reverse transmitter circuits selectable
- Optical status monitor and control
- LED indicators display for optical receiver, transmitter
- Forward output and reverse input test point

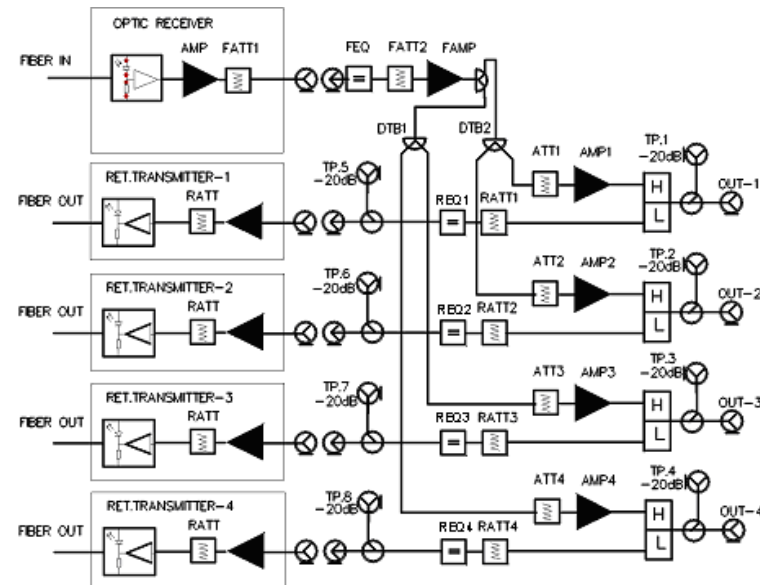
Specification

Forward optical receiver module	
Input optical wavelength	1000~1600nm
Input optical reflection loss	>45dB
Photoelectric module response	0.85A/W
Max optical input power	3mW
Optical input test point	1V/mW (±20%)
RF	
Forward bandwidth (Optional)	45~860MHz
Frequency Response	±0.5dB
NF	≤9.5dB
Output reflection loss	≥16dB
Output level	107dBμV
Distortion (77 ANALOG CHANNELS +200MHz DIGITAL)	CTB≤-72dBc
	CSO≤-68dBc
Test level	-20dB
Reverse optical transmission (Optional)	
Band width (Optional)	5~65MHz
Duplex filter (Optional)	30/45, 45/55, 65/88MHz
Optical output level	1mW
Wave length	1310nm
Optical connector(Optional)	SC/APC (FC/APC)

Optical output test point	1V/mW (±20%)
Electricity characteristics	
Voltage	AC 60V: 40~ 90V AC
Frequency	47~63Hz
Power Consumption	70 Watts typical, 94Watts maximum

Note: All specifications are subject to change without notice.

Block Diagrams



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