



Product Summary

WR8604DJ is our new high-class 4-way output CATV network optical receiver. The pre-amplifier adopts GaAs MMIC, post-amplifier adopts GaAs module. Optimized circuit design coordinate with our 10 years design experience, the device achieve high performance index. Microprocessor control, digital display the parameters that make the engineering debug very convenience. It is the main products to build CATV network.

Performance Characteristics

- High response PIN photoelectric conversion tube.
- Optimized circuit design, SMT process production, optimized signal path, make the photoelectric signal transmission smoother.
- Specialized RF attenuation chip, good RF attenuation and equilibrium linear, high accuracy.
- GaAs amplifier device, power double output, high gain and low distortion.
- Microprocessor control working status, digital display the parameters, convenience and intuitive operation, and stable performance.
- Excellent AGC performance, when the input optical power range is -9-2dBm, the output level keep unchanged, CTB and CSO basically unchanged.
- Reserved data communication interface, it is convenient to connect with network management responder and access to network management system.

Technique Parameters Table

Item	Unit	Technical Parameters
Optical Parameters		
Receiving Optical Power	dBm	-9~+2
Optical Return Loss	dB	>45
Optical Receiving Wavelength	nm	1100~1600
Optical Connector Type		FC/APC,SC/APC or specified by the user
Fiber Type		Single Mode
Link Performance		
C/N	dB	≥51 (-2dBm input)
C/CTB	dB	≥65
C/CSO	dB	≥60
RF Parameters		
Frequency Range	MHz	45~860
Flatness in Band	dB	±0.75
Rated Output Level	dBμV	≥108
Max Output Level	dBμV	≥112
Output Return Loss	dB	≥14
Output Impedance	Ω	75
Electronic Control EQ Range	dB	0~10
Electronic Control ATT Range	dBμV	0~20
Return Optical Transmit part		
Optical Parameters		
Optical Transmit Wavelength	nm	1310±10, 1550±10 or specified by the user
Output Optical Power	dBm	0.5, 1, 2
Optical Connector Type		FC/APC, SC
RF Parameters		
Frequency Range	MHz	5~30 (or specified by the user)
Flatness in Band	dB	±1
Input Level	dBμV	72~85
Output Impedance	Ω	75
General Performance		
Supply Voltage	V	A : AC (150~265) V; B: AC (35~90) V
Operating Temperature	°C	-40~60
Storage Temperature	°C	-40~65
Relative Humidity	%	Max 95% no condensation
Consumption	VA	≤30
Dimension	mm	240 (L) X 240 (W) X 150 (H)