

RBR-2104

FTTB AGC Optical Receiver



Product Description

RBR-2104 FTTB indoor optical receiver adopts GaAs MMIC pre-amplifier, post-amplifier adopts GaAs module from American ACA company. Optimization circuit design with our 10 years experience match high performance index. SCM controls digital display parameter that makes more convenience operation and becoming popular products in CATV network.

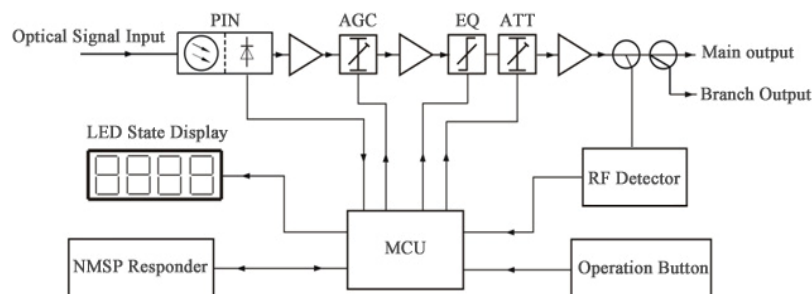
Application

1. CATV HFC distribution network
2. FTTx network

Features

1. With PIN photoelectric converter and high response.
2. Optimization circuit design, SMT process production, optimization signal path, fluency photoelectric signal transmission.
3. Specialized RF attenuate IC, good linear of RF attenuation.
4. GaAs amplify, power double output, high gain and low distortion.
5. SCM controls working status, LED shows all parameters, convenience operation.
6. AGC control range $8 \sim +2\text{dBm}$.
7. Network management optional.

Block Diagram



Datasheet

Parameter	Unit	Index
Optical Parameter		
Operating Wavelength	nm	1100~1600
Input Power	dBm	-8~+2
Return Loss	dB	>45
Connector Type	/	SC/APC or FC/APC
Fiber Type	/	Single Mode
RF Parameter		
Frequency Range	MHz	45~862
Flatness in Band	dB	±0.75
Rated Output Level	dBμV	≥98
Max Output Level	dBuV	≥104
Output Return Loss	dB	≥15
Output Impedance	Ω	75
AGC control range	dBm	-8~+2
Electrical control EQ range	dB	0~15
Electrical control ATT range	dB	0~15
Link Parameter		
C/N	dB	≥ 51
C/CTB	dB	≥ 61
C/CSO	dB	≥ 60
General Parameter		
Power Voltage	V	AC130~265 Or AC35~85
Work Temperature	°C	-40~60
Power Loss	W	<10