

OPN8604 Optical Receivers



Overview

OPN8604 in new high-end four-output Optical Receiver CATV network, in front of the class-wide GaAsMMIC amplification, after the class for the GaAs amplifier module, optimizing the circuit design, couple with the company for more than a decade of professional design experience, make the machine achieve a high performance, RF attenuation and balanced regulation of the use of fixed insertion attenuation, especially to facilitate debugging the project is to build models the mainstream of CATV networks.

TECHNICAL PARAMETER

Item	Unit	Technical parameter
Optical parameter		
Receive Optical Power	dBm	-7 ~ +2
Return Loss	dB	>45
Optical Wavelength	Nm	1100 ~1600
Connector type	FC/APC or SC/APC (or nominated by user)	
Fiber type	Single Mode	
Circuit Performance		
C/N	dB	≥51 -2dBm Input
C/CTB	dB	≥65 Output level: 108dBμV Balanced 6dB
C/CSO	dB	≥60
RF Parameter		
Frequency Range	MHz	45 ~862 (or nominated by user)
Flatness in band	dB	±0.75
Fixed Slope	dB	2±0.5
Standard Output Level	dBμV	≥ 108
Max Output level	dBμV	≥ 112
Output Return Loss	dB	≥ 14
Output Impedance	Ω	75
Fixed ATT & EQ (common)	dB	2,3,4,5,6,7,9,13(or nominated by user)
Return Part Technical Parameter		
Optical Parameter		
Optical Transmit Wavelength	Nm	1310 ± 10
Output Optical Power	dBm	1 ~ 5
Connector Type	FC/APC or SC/APC (or nominated by user)	