

ROR-7040

Four Outputs BI-DI HFC Optical Node



Application

1. HFC network
2. FTTx Network

Features

1. Adopts GaAs MMIC module.
2. Waterproof outdoor aluminum casing.
3. Bi-direction transmission.
4. Input power range $-9\sim+2\text{dBm}$.
5. Four outputs, output level 102dBuV .
6. Return path transmitter power $1\sim4\text{mW}$.
7. Adopt low noise pre-amplifier module for lower power receive situation
8. Final stage amplification use power doubled module to get high nonlinearity features
9. Forward receiver power shows by LED directly

Datasheet

Parameter		Unit	Index
Optical Parameter			
Forward Path	Operating Wavelength	nm	1100~1600
	Input Power Range	dBm	-9~+2
	Return Loss	dB	≥45
	Connector Type	/	SC/APC Or FC/APC
Return Path	Operating Wavelength	nm	1310±10
	Transmitter Power	mW	1~4
	Return Loss	dB	≥45
	Connector Type	/	SC/APC
RF Parameter			
Forward Path	Work Frequency	MHz	55/87~750/862
	Flatness	dB	±0.75
	Typical Output Level	dBuV	102
	Return Loss	dB	≥16
	Impedence	Ω	75
	Attenuation	dB	Insertor chosen
	Slope	dB	Insertor chosen
Return Path	Work Frequency	MHz	5~40/65
	Flatness	dB	±1
	Impedence	Ω	75
	Attenuation	dB	Insertor chosen
	Slope	dB	Insertor chosen
	Input Level	dBuV	85~90
	Return Loss	dB	≥16
Link Parameter			
Forward Path	Channels	/	PAL-D/60ch
	CNR	dB	>50
	CTB	dBc	≤-62
Return Path	CSO	dBc	≤-65
	Channels	/	PAL-D/60ch
	CNR	dB	>50
General Parameter			
General Parameter	Voltage	V	AC150~ 265/AC35~90
	Power Loss	W	<50
	Working Temp.	°C	-40~60
	Storage Temp.	°C	-40~60
	Dimension	mm	270*220*115
	Weight	kg	3.5