



Wall Mounting Optical Node

Features

- » Bidirectional design: 5~65/87~862MHz or 5~30/47~862MHz.
- » High sensitivity GaAs optical receiving module ensuring reliability and stability.
- » With or without return path for option.
- » 2 RF output ports, output RF level $\geq 102\text{dB}\mu\text{V}$ when -1dBm optical input.
- » Three-color LED lights for indication of power supply, power pass, optical receiving status, return path optical transmitting status, etc.
- » Test Point for forward path RF output, and return path laser transmitter's RF input.
- » Manual Gain Control (MGC) and Manual Slope Control (MSC): plug-in fixed attenuator, plug-in fixed equalizer.
- » Wall mounting water proof housing, easy for fixation, maintenance and use.

Forward Path	Unit	Specifications
Optical		
Wavelength	nm	1290 ~ 1580
Input Power	dBm	-4 ~ +2dBm
Suggested Input	dBm	-3 ~ +2dBm
Connector	-	SC/APC or FC/APC
RF		
Frequency	MHz	47~862 or 87~862
Output Level	dB μ V	$\geq 102\text{dB}\mu\text{V}$, optical input power @ -1dBm
In-Band Flatness	dB	± 0.75
Return Loss	dB	≥ 16
Test Point	dB	-20 ± 2
Optical Link Performance		
C/N	dBc	≥ 52
C/CSO	dBc	≥ 65
C/CTB	dBc	≥ 65
* 59-CH PAL input, 1310nm GFS1310F-B transmitter, optical input power @ -1dBm .		
Return Path		
RF		
Frequency	MHz	5~30 or 5~65
Input Level	dB μ V	75 ± 5
Return Loss	dB	≥ 16
Optical		
Wavelength	nm	1310 ± 20
Output Power	mW	≥ 1
NPR Dynamic Range (NPR $\geq 30\text{Db}$)	dB	≥ 15 (FP laser)
Connector	-	SC/APC or FC/APC
Others		
Power Supply	V	AC $\sim 38\text{-}65\text{V}$ or AC $\sim 220\text{V}$
Power Consumption	W	≤ 25
AC Pass Current	A	10
Hum Modulation	dB	≥ 66
Anti Lightning	KV	5 KV (10/700 μ S)
Working Temperature	$^{\circ}\text{C}$	$-25 \sim +55$
Storage Temperature	$^{\circ}\text{C}$	$-40 \sim +80$
Relative Humidity	-	$\leq 85\%$
Dimensions	mm	$220 \times 220 \times 110$
Weight	kgs	3.5

