

Technical Data Sheet

Nepstech Passive Optical Node with Filter



PRODUCT CODE
NTPL- OPN-MF/OPN-FF

PASSIVE FTTH MINI NODE

Product description

Different kinds of passive optical nodes are using in cable TV Fiber to the home network first one without filter node and another one filter node. The filter means that allowed to pass the 1550 wavelength signal through the RF port that means without filter allowed to pass all signals which are racing in the optical interface but filter node only allowed to pass 1550 wavelengths. That means in cable tv network fiber to the home we can use cable Tv signal normal node but if are a client to use WDM NETWORK for providing internet connection we are suggesting to use this kind filter node which helping to us to stop the unwanted frequency that is using for internet service at first when we are providing in a fiber to the home connection in a customer premises if the customer not want to any internet connection can use this node to protect to the internet signal.

Main Features:

- Both for Digital signal and analog signal
- With RF Shielding Protection
- Excellent Linearity and Flatness
- Designed for FTTH (Fiber to the Home Network)
- PVC Casing (Attractive customized)
- Lensed protection and high responsively PD for more performance

Parameters:

	UNIT	PARAMETER
Optical Parameters :		
Optical input power	dBm	-15~0
Wavelength	nm	1550
Connector		SC/APC
Link Path Performance :		
C/N	dB	≥51
C/CTB	dB	≥65
C/CSO	dB	≥62
RF parameter ;		
Frequency Range	MHz	47~1000
In-band Flatness	dB	1.5
Output level	dBμV	40 (test at -15dB) 50 (test at -10dB) 60 (test at -5dB) 64 (test at -3dB) 70 (test at 0dB)
RF output reflection	dB	≥16
RF out resistance	Ω	75
MER	dB	30 (test at -15dB)
	dB	35 (test at -10dB)

	dB	37 (test at -5dB)
	dB	37 (test at -3dB)
	dB	36 (test at 0dB)



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