

GFH1000-SA-K FTTH Optical Node

GFH1000-SA-K FTTH Optical Node is designed to receive 1550nm broadcasting TV RF optical signal from Passive Optical Network (PON) while passing the 1310nm and 1490nm digital signals to ONU device.



Feature:

High Linearity Photodiode for CATV RF
 45~1000MHz (downstream) RF Output
 Output for ONU or ONT

Specifications

Item	Parameter
Forward Path Receiver	
Input Optical Wavelength	1550 nm± 7.5nm
Working Optical Power	+2 ~ -8 dBm
Optical Connector	SC/APC
Optical Return Loss	55 dB
RF Bandwidth	45 ~ 1000 MHz
RF Connector	American F
RF Output Impedance	75Ω
RF Output Level	20dBmV @ -5dBm input optical Power
RF Flatness	± 0.75dB
RF Return Loss	>16 dB
CNR	>46 dBc @ -5dBm input optical power
CSO	<-65 dBc @77ch NTSC
CTB	<-65 dBc @77ch NTSC
Output to ONU	
Loss at 1310nm/1490nm	<1.5dB
Output Connector	SC/APC or SC/UPC

Optical Return Loss	55dB
Environment	
Power Supply	12 V DC
Power Consumption	< 3.0W
Working Temperature	-10 ~ +70°C
Dimension (L*W*H)	85mm×80mm×28mm
Weight	0.5 Kg (not including power adapter)

Ordering Information

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