

GFH1000-SA-PT FTTH CATV Optical Receiver

GFH1000-SA-PT Optical Receiver is designed for PON FTTH broadband analog or digital CATV services. With built-in 1550nm filter, GFH1000-SA-PT can reject the input 1490nm or 1310nm signal beyond 1545nm~1565nm. Working at extremely low optical input power, GFH1000-SA-PT still generates excellent CATV signals for home subscribers.



Feature:

- High Linearity Photodiode
- 1000MHz Bandwidth
- Low noise GaAs Amplifier
- Compact Housing
- RoHS Compliant
- 12V DC External Power Supply

Specifications

Item	Parameter
Optical Input Passing Band	1545~1565 nm
Out-band Optical Isolation	40dB
Working Optical Power	+2 ~ -8 dBm
Optical Connector	SC/APC
Optical Return Loss	55 dB
RF Bandwidth	45 ~ 1000 MHz
RF Connector	Metric F
RF Output Impedance	75Ω
RF Output Level	18dBmV @ -5dBm input optical Power
RF Flatness	± 0.75dB
RF Return Loss	>16 dB
CNR*	>45dBc @ -5dBm input optical power
CSO*	<-65 dBc @59ch PAL-D
CTB*	<-65 dBc @59ch PAL-D
Power Supply	12 V DC, External Power Adapter meeting CE
Power Consumption	< 3.5W
Working Temperature	-40 ~ +60°C
Dimension (L*W*H)	85mm×80mm×28mm
Weight	0.25 Kg (not including power adapter)

*Test at 1550nm external modulation standard transmitter after 10Km fiber and attenuator link.

Ordering Information

GFH1000-SA-PT FTTH 1550nm CATV Optical Receiver