CATV Optical Receivers & Amplifiers

MODEL **NE1100**
STRAND MOUNT RECEIVER

MODEL **NE1101**
RACK MOUNT RECEIVER

- Optional Return Path Transmitters
- Receivers in Rack or Strand Mount
- Automatic Gain Control Using Pilot Carriers

Receiver Models NE1100, NE1101

Optical

Wavelength	1260 – 1600 nm
Input Power	-3 to + 2 dBm
Detector	InGaAs PIN
Connectors	FC/APC, SC/APC
Return Loss	>60 dB

RF Parameters

Output Level	37 dBmV/Ch
Frequency Response	50 – 750 MHz
Flatness	±.75 dB
Gain Control	AGC/MGC
Return Loss	>16 dB

Features

AB Switch
-20 dB Test Point
2 dB Tilt Adjust

Network Management

NMS Data Rate	19.2 Kbps
Pilot Carrier	10.7 MHz
Monitor Connector	15 pin D sub

Options (NE1101)
01 Return Path Transmitter
02 Diplex Filter
03 Network Management

Options (NE1100)
01 Plug In Attenuators (0-13dB)
02 AGC module
03 Plug In Equalizer
04 Diplex Filter
05 Directional Coupler/Splitter
06 Return Path Transmitter

MODEL **NE6000L**
1550 nm CATV ERBIUM-DOPED FIBER AMPLIFIER

- Output Power Range from 14 to 24 dBm
- High Reliability 980/1480 nm Pump Laser Diode
- Wide Operating Range with High Gain and Low Noise Figure
- Network Management Capability
  RS485 Control Interface

Amplifier Model NE6000L

Optical

Wavelength	1540 – 1560 nm
Noise Figure	≤5.0dB for output power <20 dBm ≤5.5dB for output power ≥20 dBm
Optical Input Power Range	-5 to + 10 dBm
Output Power	14 to 24 dBm
Polarization Sensitivity	≤0.5 dB
Output Power Variations	±0.5 dB
Optical Connector	SC/APC with Shutter, FC/APC, or E2000/APC (optional)

Physical

Dimensions	19" x 1 3/4" x 13 3/4"
Weight	11.4 lbs
Operating Temperature	0° to 50°C

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