

FTX-1550-10

Mini CATV Optical Transmitter

APPLICATION

Fenger FTX-1550-10 is a high performance 1GHz CATV optical transmitter, especially designed for HFC and Fiber-To-The-Home networks. Featured with small size and low consumption, it can satisfy small network structure requirements. This product adopts GaAs amplification component and DFB laser with low noise and good linearity index. The good-quality AGC control circuit, with wide level input range, ensures constant level output and improves system's stability. The FTX-1550-10 provides a cost effective solution to cable network operators.



FEATURES & BENEFITS

- *Designed for CATV HFC and FTTH networks*
- *Use DFB coaxial small package laser*
- *Incorporates GaAs technology up to 1GHz*
- *Small size and easy installation*
- *High quality aluminum shell with good heat dissipation ability*

ORDERING INFORMATION

534382 FTX-1550-10 CATV Optical Transmitter

MANUFACTURING SPECIFICATION

GENERAL

Model	FTX-1550-10
Application	CATV HFC and FTTH Networks

OPTICAL PARAMETERS

Working Wavelength	1550±20 nm
Output Power	+10 dBm
Return Loss	≥45 dB
Fiber Type	Single Mode
Connector Type	SC/APC

RF PARAMETERS

Frequency Range	45~1002 MHz
Flatness	±0.75 dB
Input Level (42ch CENELEC)	80 dBuV
AGC controlling range	±5 dB
Input Return Loss	≥16 dB
CNR	≥51 dB
CSO	≥65 dB
CTB	≥62 dB
Input Connector	F - female
Input Impedance	75 Ohm

OTHER PARAMETERS

Operating Voltage	12 VDC
Power Consumption	≤4 W
Temperature Range	0...+50 °C
Weight without Power Supply	0.365 Kg
Dimensions LxWxH	178 x 102 x 40 mm

Notes

- 1) RF Input 80 dBuV @ 42ch CENELEC – All channels flat
- 2) External Power Supply 12V/1A included