

FEATURES

- Designed for transmit CATV+ SAT-IF signal, frequency range 47~2400MHz
- RF input port offer 12 or 13/18V voltage and 0/22KHz signal(two dial switch is used for selecting 13/18V and 0/22kHz signal), MAX current 500mA
- Excellent Linearity and flatness
- Single-mode fiber high return loss
- Using GaAs amplifier active devices
- Ultra low noise technology
- Smaller size and easier install
- Red-LED for power supply indication



DESCRIPTION

This device is a high-performance fiber optic transmission equipment designed for CATV and satellite intermediate frequency (SAT-IF) signal transmission. It supports a broad frequency range of 47–2400 MHz, combining excellent linearity, low noise, and a compact structure, making it suitable for various RF signal transmission applications.

CUSTOMER INTERFACE

ITEM	DESCRIPTION	REMARK
RF Connector	F-female	
Optical Connector	SC/APC or FC/APC	
Power Supply	F-female	

OPTICAL PARAMETER

ITEM	DESCRIPTION	REMARK
Optical Return Loss	≥45 dB	
Optical Fiber Type	Single Mode	

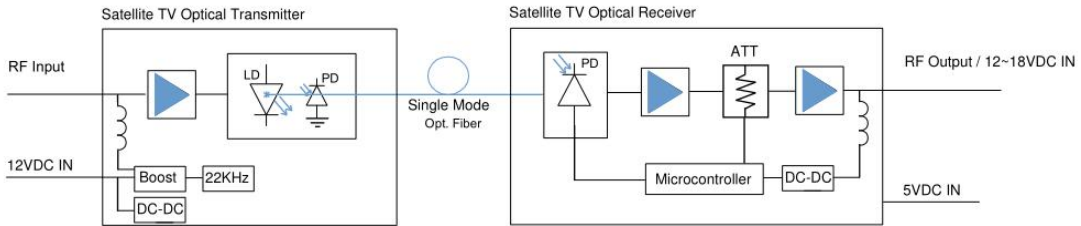
RF PARAMETER

ITEM	DESCRIPTION	REMARK
Frequency Range	47-2400 MHz	
Flatness	±2dB	
Input Level	75±5 dBuV	59ch
	68±10 dBuV	SAT
CNR	≥52 dB	
CSO	≥60 dB	
CTB	≥63 dB	
Return Loss	≥14dB	
Input Impedance	75Ω	

OTHER PARAMETER

ITEM	DESCRIPTION	REMARK
Power Supply	12 VDC 1A	
12V or 13/18V DC	500 mA	
Power Consumption	<4 W	
Dimensions	130*97*32 mm	

MICRO CATV+IF OPTICAL TRANSMITTER



Satellite TV Optical Transmitter :

- Output Optical Wavelength :1550nm
- Output Optical Power :3mW
- IF Input Level :68±10dBuV
- Frequency Range :47~2400MHz
- POWER Supply :12VDC

