

# Optical Transmitter for VHF/UHF/BS/CS110°

**FITELWAVE OT-21503C**

**FH-OT-21503C**



## Main Features

- Optical transmitter suited for frequency ranges of the CATV band(70-770MHz) and the BS/CS-IF band(950-2150MHz)
- Suitable for optical video distribution system of mansions
- +9dBm optical output power is available
- Applied the Direct Modulation which is low cost
- JIS or EIA 19-inch rack mountable

# Specifications

Item		Specifications	
In	Frequency Range	70-770MHz 950-2150MHz	
	Number of Channel (70-770MHz)	analog : 11ch digital : 80ch	
	(950-2150MHz)	BS-IF, CS-IF : 24ch	
	Impedance/Connector	75Ω / F Type connector (female)	
	RF Input level (70-770MHz)	86dBuV : analog 76dBuV : digital	
	(950-2150MHz)	86dBμV	
Out	LD Type	DFB-LD	
	Wavelength	1550 ~ 1560 nm	
	Optical Fiber	1.31μm	Non-dispersion SMF 10/125μm
	Optical Connector	SC-APC	
	Optical Output	+9dBm +/- 1dB	
	Modulation Type	Direct Modulation	
Performance	RF Input Return Loss	>14dB (70-770MHz) >7.5dB (950-2150MHz)	
	Flatness	< +/-1.0dB (70-770MHz) < +/-3.0dB (950-2150MHz)	
	CNR (*1)	> 46dB (70-770MHz) > 25dB (950-2150MHz)	
	CSO (*1)	< -60dB (70-770MHz)	
	CTB (*1)	< -60dB (70-770MHz)	
	IM3 (*1)	< -58dB (950-2150MHz)	
Others	Power Supply	DC-48V +/- 10%	AC100V/200V +/- 10%
	Power Consumption	< 40W	< 85VA
	Operation Condition	Continuous	
	Temperature/Humidity	0°C -+40°C / 20% -85% RH (without condensation)	
	Chassis Structure	JIS or EIA 19inch Rack Mountable	
	Dimension	432(W)x 44(H) x 397(D)mm	

The test condition is that Tx is received by the master Rx.

The measurement condition is as follows;

\*1: 18dB of optical loss



Caution

**For safe use of this product, please never fail to read through the product manual before starting to use it.**

Specifications and appearance of the product may be changed in the future without any prior notification.

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Updated January 2008.

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