

TFT769801 1550 nm Fiber Optic Transmitters


 Televes


The Televes 769801 Optical Transmitter represents the latest in design and technology in RF fiber optic transmitters. This transmitter features a 1550 nm optical output for long distance or 2 way cable TV system transmissions where RF over fiber works best. It has a 54-2400 MHz bandwidth so it is compatible with satellite L-band and DOCSIS 3.1 systems.

The fiber transmitter is equipped with automatic gain control (AGC). These optical transmitters use cooled DFB lasers for stability. They are built in a 1 RU 19" rackmount chassis with a universal 100-253 VAC power supply.

Features:

- 47-2400 MHz Bandwidth
- 5 dBm Optical Output
- 1550 nm
- DFB Laser
- 0-14 dB Manual Gain Adjustment
- Key Control for Safety
- AGC
- SC/APC Optical Connector
- 12-32 dBmV Input Level Range
- 1RU Rackmount
- Model 769801

Ordering Information:

TFT769801	1550 nm, 5 dBm Optical Transmitter
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RF Parameters	Bandwidth	47... 2400 MHz
	Input Level Range RF	15...30 dBmV
	Input Level Satellite	RF – 10 dB
	Manual Gain Adjustment	0 ... 14 dB (2 dB steps)
	AGC Range	20 dB
	Flatness (47...1218MHz)	± 0.5 dB
	Flatness (950...2400MHz)	± 2 dB
	Return Loss (47...1218MHz)	≥ 10 dB
	Return Loss (950...2400MHz)	≥ 7 dB
	Impedance	75 Ohm
	CSO (CENELEC 42)	≥ 60 dB
	CTB (CENELEC 42)	≥ 60 dB
	C/N	>50 dB
	Input Connector	F Female
Optical	Laser	DFB
	Wavelength	1550 nm
	Output Level	5 dBm (3.2 mW)
	Connector	SC/APC (Green)
	Power Supply Voltage	99 to 253 VAC
General	Power Supply Frequency	50 or 60 Hz
	Power Consumption	≤ 25 Watts
	Size W x H x D	19" x 1.75" x 8"
	Weight	18 lbs
	Temperature Range	32° - 110° F