

TFT769812 1550 nm Externally Modulated Fiber Optic Transmitter


 Televés


The Televés 769812 optical transmitter represents the latest in design and technology in RF fiber optic transmitters. This transmitter features 1550 nm optical outputs for long distance or 2 way cable TV system transmissions. It has a 54-1220 MHz bandwidth so it is compatible with DOCSIS 3.1 systems.

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

Features:

- 47-1220 MHz Bandwidth
- 6 dBm Optical Output
- 1550 nm
- Distributed Bragg Reflector (DBR) Laser
- SOA & Match Zehnder Modulation
- 0-14 dB Manual Gain Adjustment
- Key Control for Safety
- AGC
- SC/APC Optical Connector
- 12-32 dBmV Input Level Range
- 1RU Rackmount
- Model 769812

Ordering Information:

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| TFT769812 | 1550 nm, Externally Modulated Optical Transmitter |
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TFT769812 1550 nm Externally Modulated Fiber Optic Transmitter

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| RF Parameters | Bandwidth | 47... 1218 MHz |
| | Input Level Range RF | 12...32 dBmV |
| | Manual Gain Adjustment | 0 ... 14 dB (2 dB Δ ϕ •) |
| | AGC Range | 20 dB |
| | Flatness (47...1218MHz) | \pm 1 dB |
| | Return Loss | \geq 15 dB |
| | Impedance | 75 Ohm |
| | CSO (CENELEC 42) | \geq 60 dB |
| | CTB (CENELEC 42) | \geq 60 dB |
| | C/N | >50 dB |
| | Input Connector | F Female |
| Optical | Laser | Distributed Bragg Reflector (DBR) |
| | Wavelength | 1550 nm |
| | Modulation | SOA & Match Zehnder |
| | Output Level | 6 dBm (4 mW) |
| | Connector | SC/APC (Green) |
| | Power Supply Voltage | 99 to 253 VAC |
| General | Power Supply Frequency | 50 or 60 Hz |
| | Power Consumption | \leq 25 Watts |
| | Size W x H x D | 19" x 1.75" x 8" |
| | Weight | 18 lbs |
| | Temperature Range | 32° - 110° F |