



BsmarTV Series

AL6T-66-CWDM Compact Fiber Optic Transmitter



Key Features

- 6 Expanded L-band frequency input
- Stand-alone housing
- Low power consumption
- AGC circuitry
- Optical Data Connection
- Plug & play deployment
- Point-to-multi-point architecture
- Compatible with Foxcom AL6R receiver

Product Description

The AL6T-66-CWDM transmits multiple satellite TV signals to multiple homes over a single optical fiber. This compact solution, which boasts 6 expanded L-band (200-2400MHz) inputs, is capable of supporting a variety of satellite television platforms. This transmitter is equipped with 6 dedicated DFB lasers to ensure stability and integrity of the signal. The internal multiplexer enables the installer to deliver all 6 L-band signals over a single fiber. The transmitter is designed to be used with a Foxcom optical splitter in point-to-multi-point applications. Depending on design requirements, the AL6T-66-CWDM can be used with the AL6R-66-CWDM.

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Parameters	AL6T-66-CWDM
RF Input	
Operating Frequency Range (MHz)	200-2400
Minimum RF Input Power	-50dBm
Maximum RF Input Power	-20dBm
Flatness	±0.5dB
CNR (Min. dBc)	35dB ¹
IMD (Max dBc)	40
RF Input Connector	F-type Female
RF Input Impedance	75 Ohm
RF Input Return Loss (Min.)	-10dB
Gain Control	AGC
Optical Output	
Optical Wavelengths	Video 1470, 1510-1610 Data 1310/1490
Optical Output Power	+3dBm ²
Optical Output Connector Type	SC/APC
General	
Power Connector	Round 2 pin 1.9mm DC power (male)
Supply Voltage (VDC)	12V 2A
Maximum Current Drain (mA)	1.4A
Operating Temperature (°C)	-10 - +55
Storage Temperature (°C)	-45 - +85
Dimensions (W x H x D) mm	230 x 130 x 58

Notes:

1. @ 36MHz
2. With Matched RX @ -5dBm optical