



BsmarTV Series

AL5T3-1-CWDM-5 Compact Fiber Optic Transmitter



Key Features

- 5 Expanded L-band frequency inputs
- Stand-alone housing
- Low power consumption
- AGC circuitry
- Plug & play deployment
- Point-to-multi-point architecture
- Compatible with multiple Foxcom RX models

Product Description

The AL5T3-1-CWDM-5 transmits multiple satellite TV signals to multiple homes over a single optical fiber. This compact solution, which boasts 5 expanded L-band (200-2400MHz) inputs, is capable of supporting a variety of satellite television platforms. This transmitter is equipped with five dedicated DFB lasers to ensure stability and integrity of the signal. The internal multiplexer enables the installer to deliver up to five L-band signals over a single fiber. The AL5T3-1-CWDM is designed to be used with a Foxcom optical splitter in point-to-multi-point applications. Depending on design requirements, the AL5T3-1-CWDM can be used with either the AL5R-55 or the CR-14.

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Parameters	AL5T3-1-CWDM-5
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
Output Return Loss	-10dB
RF Input Impedance	75 Ohms
RF Input Return Loss (Min.)	-10dB
Gain Control	AGC
Optical Output	
Optical Wavelengths	CWDM 1610-1510
Optical Output Power	+4dBm
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)	1.2A
Operating Temperature (°C)	-10 - +55
Storage Temperature (°C)	-45 - +85
Dimensions (W x H x D) mm	208 x 58.6 x 131

Notes:

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