

AverLux^{plus}

AL5T2 CATV/SMATV Transmitters

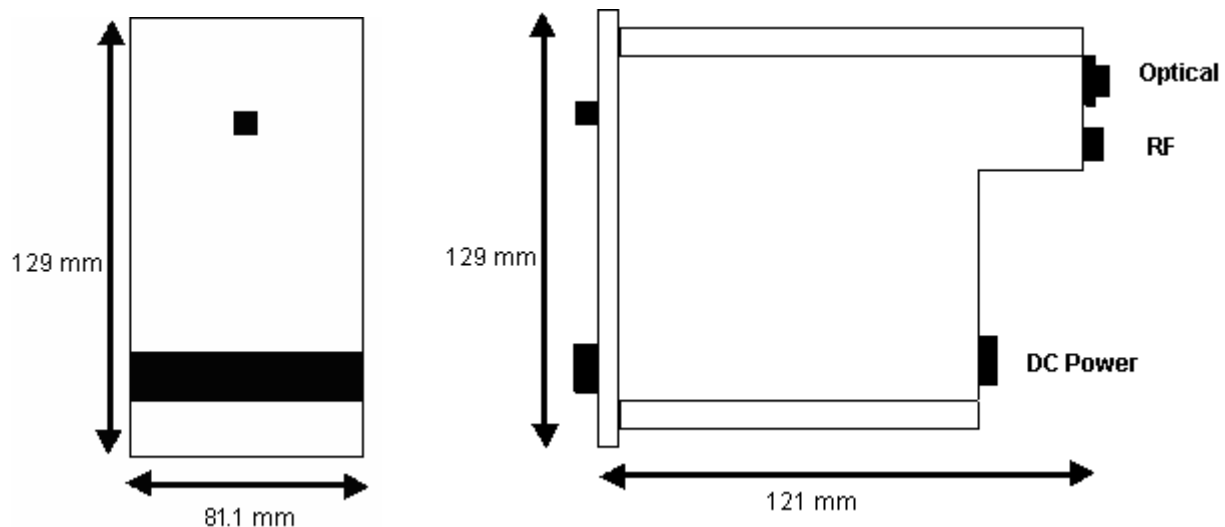


AL5T2 CATV/SMATV Transmitter

AverLuxPlus AL5T2 CATV/SMATV transmitters process AM/VSB, 8VSB, QAM or terrestrial signals inputs from multiple current or planned sources. Signal integrity is preserved guaranteeing excellent video quality required for High Definition reception. The **AL5T2** Series serves a full range of high performance CATV/SMATV applications cost effectively. A variety of lasers, output powers, wavelengths and options are available to maximum flexibility and scalability.

When coupled with Foxcom's FPS line of LGX style optical passive components, transmitter outputs may be split or multiple AL5T2 signal paths can be combined using Wave Division Multiplexing to make use of existing fiber infrastructure and ensure future expansion capability.

An **AL5T2 CATV/SMATV** transmitter module occupies two slots on the AL-900-08 19" 3U active shelf.



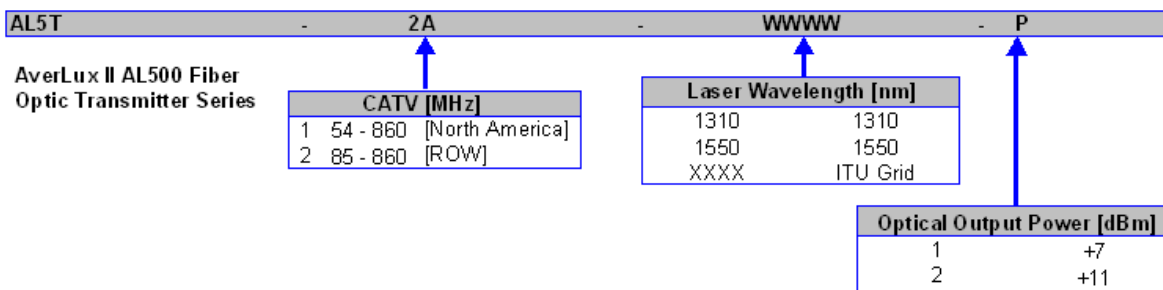
AL5T2 CATV/SMATV Transmitter Specifications

AL5T-[21/22]xxx	
RF	
Operating Frequency Range [MHz]	
AL5T-21xxx	54 - 860
AL5T-22xxx	85 - 860
Optical Output Power [dBm]	+7 +11
Number of channels	80
Typical RF Input Power [dBmV/channel]	25
Minimum RF Input Power [dBmV/channel]	15
Max RF Input Power [dBmV/channel]	35
RF Input Slope [dB] [Maximum]	2
Flatness	±1
CNR [min. dBc]	51 ¹
CSO [min. dBc]	60 ¹
CTB [min. dBc]	64 ¹
RF Input Connector	F-female
RF Input Return Loss [Min. dB]	12
Gain Control	Automatic
Optical Output	
Optical Wavelengths [nm]	1310 / 1550 / ITU Grid
Output Optical Connector Type	SC/APC
Minimum Optical Output Return Loss [dB]	-50
General	
Power Connector	DB 9 male
Supply Voltage [VDC]	12 +/- 0.5
Typical current drain [mA]	480 [1400 mA] ²
Operating Temperature [°C]	0 - 50

Notes:

1. AL500 Measured @ +25 dBmV/ch. RFin, 3.5% OMI, 80 NTSC ch. plus 55 QAM ch. -6dB ref. analog ch. Popt in to RX min. -4 dBm
2. When the TEC [laser cooler] is drawing the maximum current

Basic Ordering Information



Available through **Multicom, Inc.**
1076 Florida Central Parkway, Longwood, FL 32750