

# AverLuxPlus

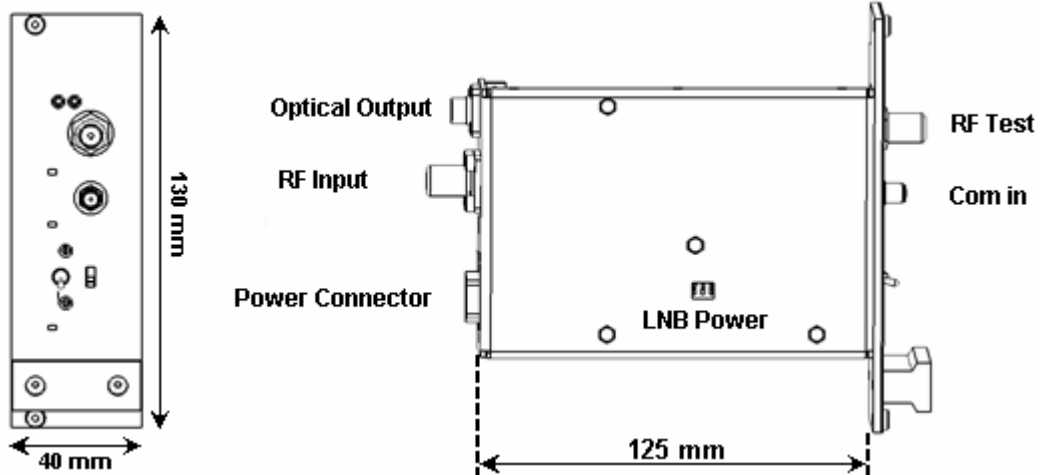
## AL5T DBS/DTH L-Band Transmitters



The **AverLuxPlus AL5T DBS/DTH L-Band** transmitter family is part of the new multi polarity fiber optic distribution platform. Supporting LNB powering and signaling options [13/18VDC and 22KHz signaling]. With different bandwidth options, a combination of several

**AL5T DBS/DTH L-Band** transmitters cost effectively deliver multiple polarity DBS services. With different wavelengths and AGC/MGC mode, you can tailor your fiber distribution network for optimum performance. When coupled with Foxcom's FPS line of passive optical components, optical signals can be split to many receiver locations. Another option is for multiple AL5T signal paths, combined on a single fiber, to use wave division multiplexing technology. This leverages the existing fiber infrastructure and ensures future expansion capability.

An **AL5T DBS/DTH L-Band** transmitter module occupies one slot on the AL-900-08 19" 3U active shelf.



Front and Side Views of the AL5T Model

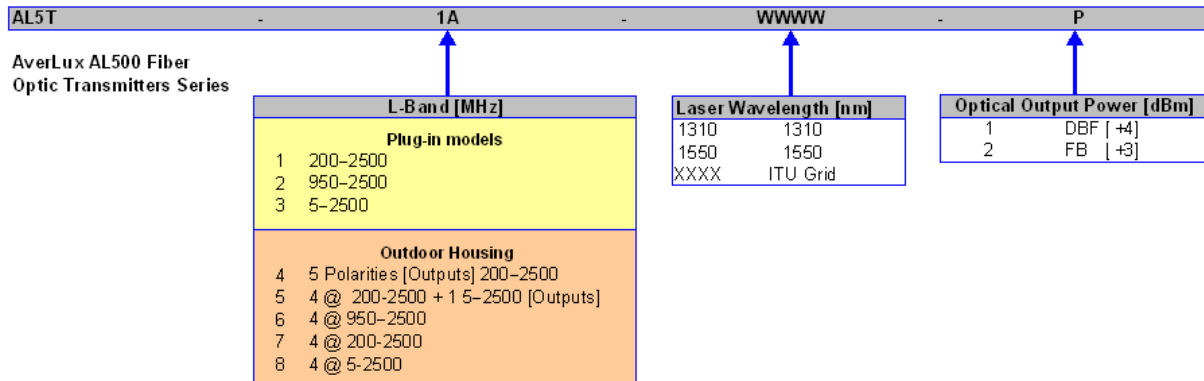
## AL5T DBS/DTH L-Band Transmitter Specifications

	AL5T-1xxx	AL5T-2xxx	AL5T-3xxx
<b>RF</b>			
Operating Frequency Range [MHz]	200 - 2500	950 - 2500	5-2500
Typical RF Input Power [dBm] total	-40 to -15 <sup>1</sup>	-40 to -15 <sup>1</sup>	-40 to -15 <sup>1</sup>
Minimum RF Input Power [dBm/transponder]	-55	-55	-55
Max RF Input Power [dBm/transponder]	-30	-30	-30
Flatness [dB per 36 MHz]	+/- 0.5	+/- 0.5	+/- 0.5
CNR [min. dBc] <sup>2</sup>	40	40	40
IMD [max. dBc]	40	40	40
RF Input Connector	F-female	F-female	F-female
RF Input Impedance	75 Ohms	75 Ohms	75 Ohms
RF Input Return Loss [Min. dB]	13	13	13
Gain Control	Manual/AGC	Manual/AGC	Manual
LNB Powering VDC [user-defined]	13 / 18 / 350 mA max.	13 / 18 / 350 mA max.	None
Signaling [KHz]: set on/off	22	22	
<b>Optical Output</b>			
Optical Wavelengths [nm]	1310, 1550, 1470-1590 ITU Grid		
Optical Output Power [dBm]	+3, +4		
Output Optical Connector Type	SC/APC		
Minimum Optical Output Return Loss [dB]	-50		
<b>General</b>			
Power Connector	DB 9		
Supply Voltage [VDC]	13/15 +/-0.5		
Maximum Current Drain [mA] <sup>3</sup>	300		
Operating Temperature [°C]	0 to 50		

**Notes:**

1. -55 to -30 dBm per transponder @ 32 transponders
2. Measured @ 32 transponders @ 36 MHz bandwidth
3. LNB off

### Basic Ordering Information



Available through **Multicom, Inc.**  
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