



BsmarTV Series

Chassis Mount L-Band Transmitters

Key Features



- Supports LNB powering
- 13/18 VDC and 22 KHz tone
- AGC or MGC
- CWDM and DWDM capability
- Ensures future expansion

Product Description

The Global Foxcom AL5T, chassis-mount, DBS/DTH L-Band transmitter products offer the greatest flexibility in the design of your project. Supporting LNB powering and signaling options [13/18VDC and 22KHz tone], with a number of bandwidth options, a combination of several AL5T DBS/DTH L-Band transmitters cost effectively deliver multiple polarity DBS services.

Available for use with designated fibers, CWDM or DWDM architectures, the Global Foxcom conventional chassis mount products offer you the field tested quality and design options you've come to expect from Global Foxcom and enable you to tailor your distribution to best suit your customer's needs.

The AL5T DBS/DTH L-Band transmitter module occupies one slot on the AL-500 19" 3U active shelf.

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Product Specifications

RF		
Operating Frequency Range [MHz]	200–2500	5–2500
Typical RF Input Power [dBm] total	-40 to -15 ¹	-40 to -15 ¹
Minimum RF Input Power [dBm/transponder]	-55	-55
Max RF Input Power [dBm/transponder]	-30	-30
Flatness [dB per 36 MHz]	±0.5	±0.5
CNR [min. dBc] ²	40	40
IMD [max. dBc]	40	40
RF Input Connector	F-female	F-female
RF Input Impedance	75 Ohms	75 Ohms
RF Input Return Loss [min. dB]	13	13
Gain Control	Manual/AGC	Manual/AGC
LNB powering VDC [user-defined]	13 /18 /350 mA max.	None
Signaling [KHz]: set on/off	22	None
Optical Output		
Optical Wavelengths [nm]	1310, 1510-1610 ITU Grid	
Optical Output Power [dBm]	+3, +4	
Output Optical Connector Type	SC/APC	
Minimum Optical Output Return Loss [dB]	-50	
General		
Power Connector	DB-9	
Supply Voltage [VDC]	13/15 ± 0.5	
Maximum Current Drain [mA] ³	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
- All specifications are subject to change without notification.

Ordering Information

Part Number	Description
AL5T-1-1310-1	L-Band 200 - 2500 MHz 1310nm +4dBm DFB transmitter
AL5T-1-1310-2	L-Band 200 - 2500 MHz 1310nm +3dBm FP transmitter
AL5T-1-1610-1	L-Band 200 - 2500 MHz 1610nm +4dBm DFB transmitter
AL5T-1-1590-1	L-Band 200 - 2500 MHz 1590nm +4dBm DFB transmitter
AL5T-1-1570-1	L-Band 200 - 2500 MHz 1570nm +4dBm DFB transmitter
AL5T-1-1530-1	L-Band 200 - 2500 MHz 1530nm +4dBm DFB transmitter
AL5T-1-1510-1	L-Band 200 - 2500 MHz 1510nm +4dBm DFB transmitter
AL5T-2-1310-1	L-Band 5 - 2500 MHz 1310 nm +4 dBm DFB transmitter
AL5T-2-1310-2	L-Band 5 - 2500 MHz 1310 nm +3 dBm FP transmitter
AL5T-2-1610-1	L-Band 5 - 2500 MHz 1610 nm +4 dBm DFB transmitter