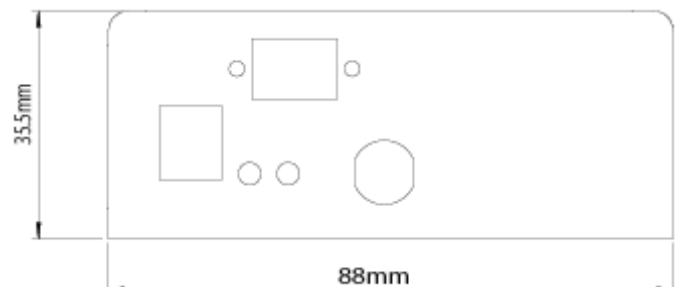
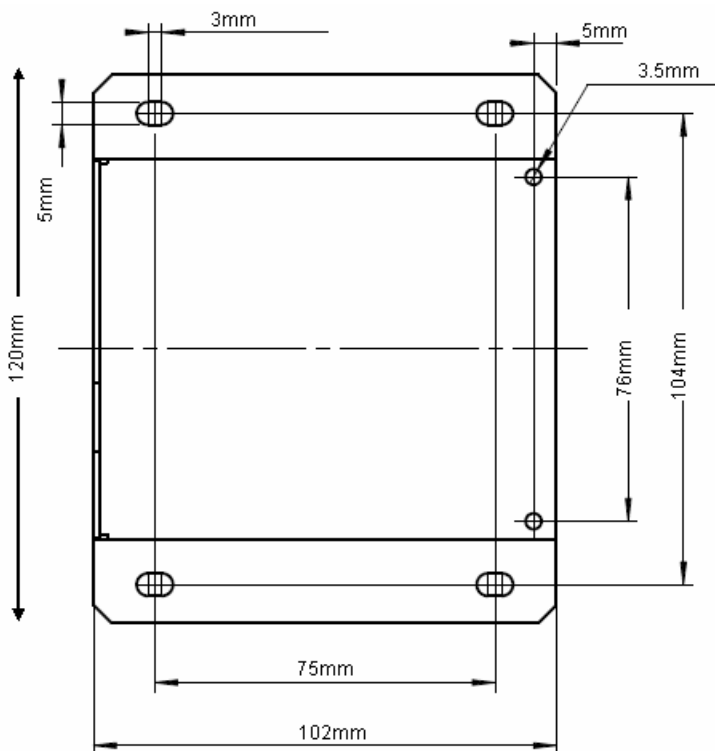


## AverLux™ Series AL 320 Receivers DBS/DTH L-Band



The AverLux™ family of optical receivers complements the AL 120 Series transmitters completing the optical broadband RF video link by converting optical signals transparently in the originating format; satellite QPSK/8PSK. With an available bandwidth from 2 – 3500 MHz. The AL 120 Series cost effectively handles the most complex stacking schemes or basic LNB intra/inter-building spans. Available in a compact, wall mount enclosure, the receiver fits easily into any MDU distribution schemes supporting coax distribution or as the perfect fiber link where traditional coax approaches are limited.

Powering for the AL 300 series is provided by the AL 900 series of power adapters, inserters and cables.



Available through

**Multicom, Inc.**

1076 Florida Central Parkway, Longwood, FL 32750



	AL321	AL322	AL324	AL327
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**RF Specifications**

Operating Frequency Range (MHz)	950-2150	250-2150	250-3500	2-3500
RF Output Power (dBm/transponder) see notes 1, 2				
Popt in = 0 dBm	-20 (note 1)	-20	(note 2)	(note 2)
Popt in = -3 dBm	-26 (note 1)	-26	(note 2)	(note 2)
Popt in = -6 dBm	-32 (note 1)	-32	(note 2)	(note 2)
Popt in = -12 dBm	-44 (note 1)	-44	(note 2)	(note 2)
Slope ( dB )	+3	+3	(note 2)	(note 2)
Flatness (dB per 24 MHz)	+/- 0.5	+/- 0.5	+/- 0.5	+/- 0.5
CNR (min. dBc) see note 3	45	45	45	45
IMD (max. dBc) see note 4	40	40	40	40
RF Connector	F-Female			
RF Output Return Loss (Min. dB)	12	12	12	12

**Optical Input Specifications**

Optical Wavelengths (nm)	1290 to 1610
Maximum Optical Input Power (dBm)	+1
Minimum Optical Input Power (dBm)	-15
Output Optical Connector Type	SC/APC
Minimum Optical input Return Loss (dB)	50

**General Specifications**

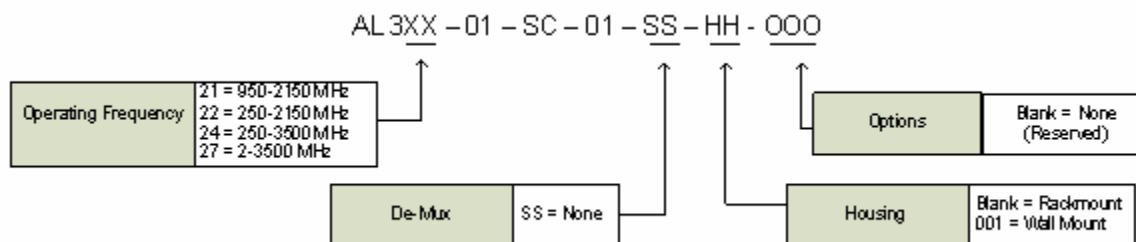
Power Connector	2.1 mm coax plug, center positive			
Supply Voltage (VDC)	12 +/- 0.5			
Maximum Current Drain (mA) see note 5	200	200	200	300
Operating Temperature (°C)	-20 to +60			

**Notes:**

1. For AL121, 32 transponders, For AL122, 48 transponders
2. For MFH-1 System: -37 dBm/tr. 249-434 MHz, -32 dBm/tr. 962-1423 MHz, -30 dBm/tr. 1534-1995 MHz, -25 dBm 2725-2894, -22 dBm/tr. 3015-3492 MHz
3. Measured @ typical input, 1 db optical loss
4. Measure @ Popt in = 0 dBm
5. Measured @ max. RF input, rated Popt out, @ 25°C

**AL320 Series Basic Ordering Information**

*Contact Foxcom Sales for Specific Information*



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