





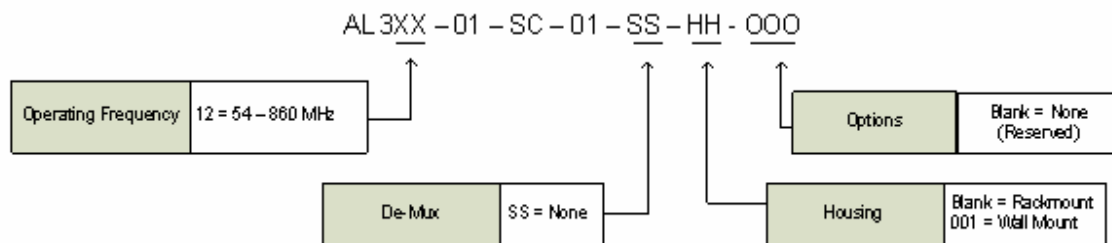
<b>AL312</b>	
<b>Optical Input Specifications</b>	
Optical Wavelengths (nm)	1290 to 1610
Maximum Optical Input Power (dBm)	+1
Minimum Optical Input Power (dBm)	-5
Optical Connector Type	SC/APC
Minimum Optical Output Return Loss (dB)	50
<b>RF Specifications</b>	
Operating Frequency Range (MHz)	54 - 860
Number of Channels (NTSC) (see note 1)	80
RF Output Power (dBmV)	
Popt in = 0 dBm	+22
Popt in = -3 dBm	+16
RF Output Slope – 54 to 860 MHz ( dB )	+3
Flatness (any 6 MHz)	+/- 0.3
CNR (min. dBc) - see note 2	48
CSO (max. dBc) - see note 3	60
CTB (max. dBc) - see note 3	60
RF Connector	F-Type
RF Output Return Loss (Min. dB)	12
<b>General Specifications</b>	
Power Connector	2.1 mm coax plug, center positive
Supply Voltage (VDC)	12 +/- 0.5
Maximum Current Drain (mA) (see note 4)	200
Operating Temperature (°C)	-20 to +60

**Notes:**

1. 80 NTSC channels plus maximum 55 QAM channels, -6 dB reference analog level.
2. Measured @ Popt in = -3 dBm, 80 NTSC channels and 55 QAM channels
3. Measured @ Popt in = 0 dBm, 80 NTSC channels and 55 QAM channels
4. Measured @ max. Popt in, RF out, 25°C

**AL310 Series Ordering Information**

Contact Foxcom Sales for Specific Information



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