

Model ASC 401LE L-Band to 70MHz Down Converter

Quality Products @ Reasonable Prices



Functional Description

The Model **ASC401LE Down Converter** is a high performance unit that is designed to down convert an input signal in the frequency band of 950 to 1750 MHz to the 70 MHz (52 to 88 MHz) base band output. The output signal then may be interfaced to an external 70 MHz customer supplied receive equipment. The LE Series half-rack width permits mounting either two of the same units or a combination of our **ASC401LE Down Converter** and our **ASC501LE Up Converter (Model ASC902LE)** side by side in one rack mount unit.

Systems Specifications:

Output Frequency.....	52 to 88 MHz	Frequency Reference	10 MHz (Internal)
Spectrum	Inverted/Non-Inverted, Switchable	Phase Noise	-80 dBc/Hz, 1 kHz from Carrier
Output Bandwidth.....	36MHz	Alarms	Unit Lock
Input Frequency	950 to 1750 MHz	Alarm Relay.....	Form-A Normally Closed
Frequency Tuning	1 MHz Steps	External LNB Power.....	+24 VDC, Switchable In-Out
Frequency	Adjust Front Panel or Remotely	, 300 ma, max.
Input Level	- 45 to - 65 dBm	Front Panel Display.....	LCD with backlight
Input Impedance.....	75 Ohm	M&C	RS-232 or RS-422/485, Switchable
Input Connector	Type-F, Female	M&C Connector.....	DB-9, Female
Output Impedance	50 Ohm		
Output Connector	BNC, Female	<u>Physical Characteristics:</u>	
System Gain.....	25 dB (Max.)	Size	1.75"H X 16.00"D X 8.50"W
System Attenuation Adjust	0 to 25 dB, 1dB Steps	Weight	4 lb. (1.82 kg)
Frequency Stability	±0.5 ppm	Primary Power.....	85 - 264 VAC 50-60Hz, 2 A
		Auto-Sensing

Environmental Specifications:

Operating Temperature.....	0°c to +50°c
Storage Temperature	-40°c to +70°c
Humidity	95% RH@ 40°c