

# 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		
System Gain.....	25 dB (Max.)	<b><u>Physical Characteristics:</u></b>	
System Attenuation Adjust .....	0 to 25 dB, 1dB Steps	Size .....	1.75"H X 16.00"D X 8.50"W
Frequency Stability.....	±0.5 ppm	Weight .....	4 lb. (1.82 kg)
		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