

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
Spectrum Inverted/Non-Inverted, Switchable
Output Bandwidth..... 36MHz
Input Frequency 950 to 1750 MHz
Frequency Tuning 1 MHz Steps
Frequency Adjust Front Panel or Remotely
Input Level - 45 to - 65 dBm
Input Impedance..... 75 Ohm
Input Connector..... Type-F, Female
Output Impedance 50 Ohm
Output Connector BNC, Female
System Gain..... 25 dB (Max.)
System Attenuation Adjust 0 to 25 dB, 1dB Steps
Frequency Stability..... ± 0.5 ppm

Frequency Reference 10 MHz (Internal)
Phase Noise -80 dBc/Hz, 1 kHz from Carrier
Alarms Unit Lock
Alarm Relay..... Form-A Normally Closed
External LNB Power..... +24 VDC, Switchable In-Out
....., 300 ma, max.
Front Panel Display..... LCD with backlight
M&C RS-232 or RS-422/485, Switchable
M&C Connector..... DB-9, Female

Physical Characteristics:

Size 1.75"H X 16.00"D X 8.50"W
Weight 4 lb. (1.82 kg)
Primary Power..... 85 - 264 VAC 50-60Hz, 2 A
..... Auto-Sensing

Environmental Specifications:

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

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