

Model ASC902LE

Full Duplex 70 MHz to L-Band Converter

Quality Products @ Reasonable Prices



Functional Description

The **Model ASC902LE Full Duplex 70 MHz to L-Band Converter** is a high performance unit that is a combination of the model ASC501LE Up Converter and the model ASC401LE Down Converter modules installed in the ASCLE series single rack mount unit. The ASC902LE Converters independent design is to up convert a 70 MHz (52 to 88 MHz) base band input signal to the output frequency band of 950 to 1525 MHz and, simultaneously, down convert an input signal in the band of 950 to 1750 MHz to a 70 MHz output.

The up converter and down converter are two independent functions that are individually controlled from the front panel facilities.

The **Model ASC501LE Up Converter** is a high performance unit that is designed to up convert a 70 MHz (52 to 88 MHz) base band input signal to the output frequency band of 950 to 1525 MHz. The output signal then may be interfaced to the final power stage of a satellite RF transmitter (SSPA or BUC). The system performance makes the **ASC501LE** ideal for low data rate applications. The half-rack width permits mounting two units side by side in one rack mount unit.

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 half-rack width permits mounting two units side by side in one rack mount unit.

Features

- **Economical Pricing**
- **Low Phase Noise** for low data rate applications
- **High Linearity** for multiple carrier operation
- **Universal AC Input**
- **Operator Friendly**
- **Rugged Design**
- **Excellent Amplitude Response**
- **Output Muting When Frequency Is Changed on transmission**
- **900 MHz transmit HPF to Minimize Wireless Interference**
- **Hot Swap Capability**

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