

ATLANTIC SATELLITE CORPORATION

Model ASC710 Ku Loop Test Translator

Quality Products @ Reasonable Prices



Functional Description

The Atlantic Satellite Corp. ASC710 Ku Loop Test Translator is designed to do bench-top testing of satellite transmission systems. The ASC710 essentially replaces the satellite for loop-back analysis of satellite communication systems.

Features

- Low-Cost
 - Input frequency range of 14.00 to 14.50 GHz
- LO frequency switching from the front panel for testing of three separate Ku bands.

1. LO 1 Frequency: 1750 MHz for 12.25 to 12.75 GHz
2. LO 2 Frequency: 2300 MHz for 11.70 to 12.20 GHz
3. LO 3 Frequency: 3050 MHz for 10.95 to 11.45 GHz

- Small size for bench-top testing. **Rack mount optional.**
- Low Phase Noise
- High frequency stability
- Universal AC input power

Includes :

1. 30 dB coupler
2. 10 Watt load
3. Variable 1 dB step attenuator

Technical Specifications

Frequency Input Range 14.00 to 14.50 GHz
 Maximum Input Power 10 Watts, Continuous
 Insertion Loss 40 dB, Minimum; 75 dB, Maximum
 Attenuation Adjustment Range 25dB, 1dB Steps, Front Panel Adjustable
 LO Frequency Three Bands, Front Panel Selectable
 Band 1: 1750 MHz
 Band 2: 2300 MHz
 Band 3: 3050 MHz
 Input & Output Connectors SMA, Female
 Phase Noise > 75 dB-Hz @ 1 kHz from carrier
 LO Frequency Stability < 1 ppm, +10 to 40° deg. C
 Front Panel LED Display 4 digit, LO Frequency, 2 digit, Attenuation
 Band Select Front Panel, Pushbutton
 Attenuation Adjust Front Panel, Pushbutton, 1 dB Steps
 Size 1.75 " H x 8.0 " W x 10.0 " D
 Primary Power 90-250 VAC, 47-63 Hz

Optional: Rack Mountable Front Panel Available

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