

ATLANTIC SATELLITE CORPORATION

# Model ASC710X Loop Test Translator

*Quality Products @ Reasonable Prices*



## Functional Description

The Atlantic Satellite Corp. ASC710X Test Loop Translator is designed to do bench-top testing of satellite transmission systems. The ASC710X essentially replaces the satellite for loop-back analysis of satellite communication systems.

## Features

- Low-Cost
- Input frequency range of 7.9 to 8.4 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 ..... 7.9 to 8.4 GHz  
 LO Frequency ..... 650 MHz  
 LO Frequency Stability . < 1 ppm, +10 to 40 ° deg. C  
 Output Frequency ..... 7.25 to 7.75 GHz  
 Bandwidth ..... 500MHz  
 Maximum Input Power ..... 10 Watts, Continuous  
 Insertion Loss .... 50 dB, Minimum; 70 dB, Maximum  
 Attenuation Adjustment Range ..... 20dB, 1dBsteps,  
 Front Panel Adjustable  
 Input & Output Impedance ..... 50 Ohm  
 Input & Output Connectors ..... Type-N, Female  
 Phase Noise ..... > 75 dB-Hz @ 1 kHz from carrier  
 Front Panel LED Display ..... 4 digit, LO Frequency,  
 ..... 2 digit, Attenuation  
 Band Select ..... Front Panel, Pushbutton  
 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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