



C BAND TEST LOOP TRANSLATOR : ICS-TLT-CB-V01

DESCRIPTION:

A Test Loop Translator (TLT) is a device used to evaluate the performance of satellite earth systems. The earth station transmits a signal to the TLT (instead of a satellite), the TLT, then converts this signal into an equivalent downlink signal that the Satellite would send back to the earth station. . A test loop translator (TLT) is a type of radio frequency converter or heterodyne, used to translate between uplink and downlink segments, to allow for "loop-back" testing and calibration of a satellite ground station without the need to interface with the satellite. The ICS C Band TLT, Model: ICS-TLT-CB-V01, will operate over Frequency range of 5850-6450 MHz and converts to 3625—4200 MHz. The TLT will accept Uplink Frequency, perform level control as set by the user and will output the downlink frequency. The System is provisioned with LAN interface for remote monitoring and Control



FEATURES:

- RS-422/LAN Interface for Remote Control
- IP-67 rated Chassis.

SPECIFICATIONS:

- Input Freq. : 5850 - 6450 MHz
- Output Frequency : 3625 - 4200 MHz
- LO Freq. : 2225 +/- 15 MHz Tunable
- LO Step Size : 1KHz
- Level Control : 25-dB Min
- Conversion Loss : 18-dB Max
- I/O return Loss : 18-dB Min

APPLICATIONS: SATCOM, VSAT

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