



TLT38 Series

C Band Satellite Test Loop Translator

Features

- IRU Indoor EIA 530 19 inch Rack Mount
- Front panel control
- Full remote control via RS232/ RS485 and Ethernet
- Covering the entire C Band Frequencies
- Excellent phase noise specs

Reliability

Field proven with system deployed worldwide. Agilis TLT can withstand temperature from 0°C to +50°C up to 95% non-condensing humidity.

Quality Assurance

All Agilis TLT are designed and manufactured according to ISO 9001 Standard.

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Technical Specifications

Input Parameters

Input Frequency	: 5.85 to 6.725GHz
Impedance	: 50 Ω
Return Loss	: 18dB min
Non Damage Level	: +10dBm
Level Adjustment	: 60 dB in step of 0.5dB

Output Parameters

Output Frequency	: 3.4 to 4.2GHz (C-Band) : 950 – 1750MHz (L-Band)
Impedance	: 50 Ω
VSWR	: 18dB min
Level Adjustment	: 30 dB in step of 0.5dB

Transfer Parameters

Conversion Gain	: 15dB min
Gain Flatness	: \pm 1.0dB
Flatness over 40MHz	: \pm 0.25dB Max
Input / Output Isolation	: 60dB min
Spurious	: -50dBc

LO Parameters

LO Frequency	: 2.225GHz / 3.025GHz Selectable (For C-Band Output) : 5.15GHz (For L-Band Output)
LO power	: 12dBm typ
Frequency Stability	: \pm 0.5ppb per day at 25C
Phase Noise	
@1KHz	: -83dBc/Hz
@10KHz	: -93dBc/Hz
@100KHz	: -103dBc/Hz

Rear Panel Connections

RF Band Input	: N-type Female
RF Band Output	: N-type Female
External 10MHz Reference	: N-type Female
Remote Interface	: DB-9
Ethernet Interface	: RJ45

Monitor and Control

Interface	: Front Panel RS485 Ethernet
Monitoring parameters	: LO Frequency Level
Control Parameters	: LO Frequency Level Adjustment

Power Supply Requirement

AC Input Voltage	: 100 to 240VAC 50/60 Hz
Power Consumption	: 35W

Environmental

Operating temperature	: 0 degC to 50 degC
Humidity	: Up to 95% (Non-condensing)
Altitude	: 11000 Ft ASL
Storage Temperature	: -20 deg C to 80 deg C

Mechanical

Dimension	: 480L x 330W x 44H mm
Weight	: 3.5kg

*All Specifications are subject to changes without notice.
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