



Multi-LO Ku-band Outdoor TLT TLT-TRU-D-06-A_ODU

The TEMIX Test Loop Translator (TLT) shapes the next-generation satellite transmission with its breakthrough leading edge technology, state of the art design and unprecedented reliability.

Multi-LO Ku-band TLT is designed to Translate the Tx Up-link Frequency Band into the Receive Ku-Band.

TEMIX Multi LO (Triple switchable) TLT ODU series combines high performances in an outdoor housing capable to operate under most extreme environmental conditions. Monitor and control is from serial port EIA485, Ethernet or Fiber Optic. Features Best in Class RF characteristic with external 10 MHz reference or built-in high stability reference oscillator.



RF Performance	LO-1	LO-2	LO-3
Input Frequency Range	12.75-13.50 GHz	12.75-13.50 GHz	13.00-14.50
Output Frequency Range	10.70-11.45 GHz	10.95-11.70 GHz	10.70-12.20 GHz
LO Frequency (Multiband remotely selectable)	2.05 GHz	1.80 GHz	2.30 GHz
Gain Flatness	+/-1.5dB max over full band; +/-0.5dB max over any 40MHz		
Conversion Gain	20dB		
Gain Control	25dB in 1dB steps		
Frequency Stability	$\pm 1 \times 10^{-7}$ (0 to 50°C)		
I/O Return Loss	16 dB min		
External Reference Frequency	10MHz @ +3 dBm typical		
Phase noise: @ 100Hz	-65dBc		
@ 1kHz	-75dBc		
@ 10kHz	-85dBc		
Spurious	-40dBc in band; -50dBc out of band		
Mute	-50 dB rejection		
MONITOR & CONTROL FEATURES	SNMP, Web Browser interface, or RS485/422 (optional), or Fiber Optic (optional)		
Signaling	Summary Alarm		
POWER SUPPLY	90 to 265VAC, 50/60Hz, 25W		
MECHANICAL	200 x 290 x 90 mm		
RF CONNECTORS	RF IN: N-f; RF OUT: N-f; RF MON: N-f (SMA-optional)		
ENVIRONMENTAL	Operating temperature: 0° to +60 °C (-30 to +60 °C optional) Storage Temperature: -40 to +85 °C Humidity: 0 to 95% Altitude: up to 5000m SLM		

Main Features

- LO Frequency: Multiband Remotely Selectable
- Phase noise as per IESS308/309
- Internal 10MHz Reference
- Outdoor Type
- Degree of Protection IP67
- TRIPLE-LO Selectable

*The Information included in this data sheet may be changed without advise. rev_01/18

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