



Multi-LO Ku-band Outdoor TLT TLT-TRU-D-02-A_ODU

The TEMIX Test Loop Translator (TLT) shape 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 (Dual 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	
Input Frequency Range	12.75 – 13.00 GHz (Set-1) & 13.00 – 13.25 GHz (Set-2)
Output Frequency Range	10.70 - 10.95 GHz (Set-1) & 11.2 – 11.45 GHz (Set-2)
LO Frequency	Multiband LO (remotely selectable) LO-1= 2.05 GHz for set-1 & LO-2= 1.80 GHz for set-2
I/O Return Loss	16 dB min
Gain Flatness	+/-1.5dB max over full band; +/-0.5dB max over any 116MHz
Conversion Gain	20dB
Gain Control	25dB in 1dB steps
Gain Stability	$\pm 1 \times 10^{-7}$ (0 to 50°C)
External Reference Frequency	10MHz
Phase noise: @ 100Hz	-65dBc
@ 1kHz	-75dBc
@ 10kHz	-85dBc
Spurious	-40dBc in band; -50dBc out of band
MONITOR & CONTROL FEATURES	SNMP, Web Browser interface, or RS485 (optional), or Fiber Optic (optional)
POWER SUPPLY	90 to 265VAC, 50/60Hz, 25W
MECHANICAL	200 x 290 x 90 mm
RF CONNECTORS	RF IN: SMA-f; RF OUT: SMA-f; RF MON: SMA-f (N-optional)
ENVIRONMENTAL	Operating temperature: -30 to +60 °C Storage Temperature: -40 to +85 °C Humidity: 0 to 95%
Degree of Protection	IP67

Main Features

- Phase noise as per IESS308/309
- Spurious below -65dBc
- Superior Gain flatness
- DUAL-LO Selectable

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

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