



## Multi-LO DBS-band Outdoor TLT TLT-TRK-D-01-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 DBS-band TLT is designed to Translate the Tx Up-link Frequency Band into the Receive Band.



TEMIX 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 EIA485/422, 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	17.30-18.10 GHz	17.30-18.10 GHz
Output Frequency Range	11.70-12.50 GHz	10.70-11.50 GHz
LO Frequency	5.60 GHz	6.60 GHz
Conversion Gain	20dB	
Frequency Stability	1 x 10 <sup>-6</sup> (0 to 50°C)	
Gain Flatness	+/-1.5dB max over full band; +/-0.5dB max over any 116 MHz	
I/O Return Loss	14 dB min	
Gain Control	25dB in 1dB steps	
Reference Frequency	Internal/External 10MHz Reference	
Phase noise: @ 100Hz	-65dBc	
@ 1kHz	-75dBc	
@ 10kHz	-85dBc	
Spurious	- 40dBc in band - 50dBc out of band	
MONITOR & CONTROL FEATURES	SNMP, HTTP (Web Browser interface), or RS485/422 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: -10 °C to +60 °C -30 °C to +60 °C (optional) Storage Temperature: -40 °C to +85 °C Humidity: up to 95% condensing	
Degree of Protection	IP67 (Outdoor housing)	
Altitude	up to 4500 m.s.l.m.	

### Main Features

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

\*The Information included in this data sheet may be changed without advise. rev\_01/18

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