

LOOP TEST TRANSLATORS

Tampa Microwave loop test translators are designed to allow a satellite to be "short circuited" so terminal output can be fed to down link monitoring equipment. Tampa Microwave LTT's are designed for applications where frequency translation is needed with a minimum of amplitude and delay distortions.

FEATURES

Available in L, C, X and Ku bands

Low Phase Noise Contribution

Lock Alarm Indication

1 RU Chassis

OPTIONS

Higher Frequency Stability

Input and Output Filtering

Remote Gain Adjustment

External Reference Input

Multiple Frequency Bands - Remote Select

Summary Alarm

Weatherized Enclosures

Custom Configurations



STANDARD SINGLE BAND LOOP TEST TRANSLATORS

Table 1

PART NUMBER *	INPUT FREQ.	OUTPUT FREQ.	INPUT CONN.	OUTPUT CONN.
LTT-2225-21-1RU	5.925 to 6.425 GHz	3.70 to 4.20 GHz	"N" Female	"N" Female
LTT-4975-21 1RU	5.925 to 6.425 GHz	950 to 1450 MHz	"N" Female	"N" Female
LTT-7375-21-1RU**	5.925 to 6.425 GHz	950 to 1450 MHz	"N" Female	"N" Female
LTT-1750-21-1RU	14.00 to 14.50 GHz	12.25 to 12.75 GHz	"SMA" Female	"SMA" Female
LTT-2300-21-1RU	14.00 to 14.50 GHz	11.70 to 12.20 GHz	"SMA" Female	"SMA" Female
LTT-3050-21-1RU	14.00 to 14.50 GHz	10.95 to 11.45 GHz	"SMA" Female	"SMA" Female
LTT-13050-21-1RU	14.00 to 14.50 GHz	950 to 1450 MHz	"SMA" Female	"SMA" Female

*The TML part number indicates the LO frequency in MHz. LTT-"LOFREQ"-21-1RU.

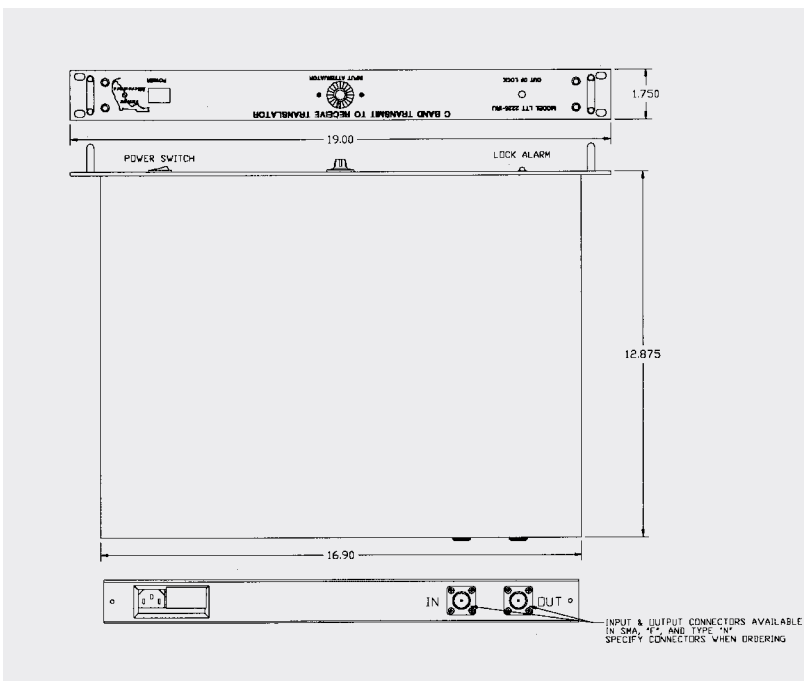
** This LTT inverts the frequency spectrum of the input.



SPECIFICATIONS

FUNCTIONAL	
Frequency Stability	+/- 2 ppm; +/- 0.01 ppm optional
Conversion Loss	18 dB nominal
Gain Adjustment	30 dB
Gain Flatness Full Band	+/- 1.5 dB
Gain Flatness over 40 MHz BW	+/- 0.4 dB
Input and Output Return Loss	15 dB
Input and Output Isolation	Optional
Phase Noise	-85 dBc @ 1 KHz -95 dBc @ 10 KHz -105 dBc @ 100 KHz
OPERATIONAL CONTROLS	
Front Panel Controls	Power On/Off Illuminated Gain Adjust Lock Alarm Indicator
Rear Panel Controls	AC Input Adaptor Fuse Holder RF Input RF Output
OTHER	
Power Requirements	100-240 VAC 50 to 60 Hz
Operating Temperature	+20° to +50°C
Size	1.75" x 19" x 13"

Standard Housing



OTHER TAMPA MICROWAVE PRODUCTS

Rack-Mount Block Up Converters and Block Down Converters, Satellite Simulators, Hot Swappable Converters and Transmitters.

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