

LOOP TEST TRANSLATORS



FEATURES:

AVAILABLE IN L, C, X, Ku AND Ka BANDS

LOW PHASE NOISE CONTRIBUTION

LOCK ALARM INDICATION

1 RU CHASSIS

TAMPA MICROWAVE LOOP TEST TRANSLATORS are specifically 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.

OPTIONS

- HIGHER FREQUENCY STABILITY
- INPUT AND OUTPUT FILTERING
- RS 485 OR ETHERNET CONTROL
- 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-2225-22-1RU	5.85 TO 6.425 GHz	3.625 TO 4.20 GHz	"N" FEMALE	"N" FEMALE
LTT-4900-21-1RU	5.850 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-1750-22-1RU	14.00 TO 14.50 GHz	12.25 TO 12.75 GHz	"SMA" FEMALE	"SMA" FEMALE
LTT-2300-22-1RU	14.00 TO 14.50 GHz	11.70 TO 12.20 GHz	"SMA" FEMALE	"SMA" FEMALE
LTT-3050-22-1RU	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
LTT-9800-22-1RU	29.75 TO 31.00 GHz	19.95 TO 21.10 GHz	"K" FEMALE	"K" FEMALE

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

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

CONTINUED >

THE RAPID RESPONSE SUPPLIER OF CHOICE

QUALITY PRODUCTS FROM TAMPA: BLOCK UP AND DOWN CONVERTERS • TRANSMITTERS • LOOP TEST TRANSLATORS • CUSTOM RACK-MOUNT SUBASSEMBLES • REMOTE SPECTRUM ANALYZERS • CARRIER MONITORING SYSTEMS • SIGNAL INTELLIGENCE RECEIVERS (SIGINT)

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SPECIFICATIONS

FUNCTIONAL:

FREQUENCY STABILITY: +/- 2 PPM; +/- 0.01 ppm OPTIONAL

CONVERSION LOSS: 35 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 20"

STANDARD HOUSING

