

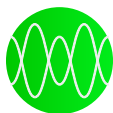
RFE

MAKING
BROADCAST
SMARTER

FM Radio Link TL-T/TL-R Series

FM RADIO LINK 200~960 MHz





FM Radio Link TL-T/TL-R Series



PRODUCT DESCRIPTION

Studio to Transmitter Links.

An easy solution for terrestrial audio connection.

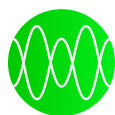
Wide selection of frequencies and distances.

Great audio quality.

MAIN FEATURES

- Extended Frequency Range
- Nominal RF power 5W-10W-20W
- High stereo performance typ. 50 dB
- Extremely low distortion 0,1%
- Ac mains 90-260 VAC extend range with PFC
- Available frequencies from 200 MHz to 960 MHz





**TRANSMITTER MOD.
TL-10T FEATURES**

Frequency Range	200-960 MHz ± 10 MHz sub-band
Type of Modulation	FM Class F3
VCO Tuning	25 MHz
Frequency Stability	$\pm 2,5$ ppm (Better On request)
Synthesizer Step	25 KHz
Power Output	10W 200 ÷ 470 and 830 ÷ 960 MHz 20W [-H] 200 ÷ 470 MHz 30W [-UH] 270 ÷ 470 MHz
Spurious Emission	< -80 dB or better
Harmonic Emission	< -65 dB [-80 dB on request]
Stereo Separation	> 55 dB @ 1 KHz
Distorsion	< 0.2% (TYP 0.8 %) @ 1 KHz]
Base Band	30 Hz ÷ 53 KHz within 0.08 dB
Unweighted S/N Ratio	> 75 dB rms at 30 Hz ~ 15 KHz
Enphasis	50 or 75 μ S -selectable
RF Connectors	N-F 50 ohm
Input Base Band Imp.	2 Kohm
Input Mono Impedence	600 Ohm
Cooling	Forced air
OP. Temperature Range	0 ÷ +50°C
Maximum Umidity	90%
AC Supply	100 ÷ 240 Volt; 47 ÷ 63 Hz
Dimension	1 Units Rack 19" 44 cm Depth
Weight	6.8 Kg

**RECEIVER MOD.
TL-R FEATURES**

Frequency Ranges	200-960 MHz ± 10 MHz sub-band
Type of Modulation	FM Class F3
VCO Tuning	25 MHz
Frequency Stability	± 2.5 ppm (Better on request)
Synthesizer Step	25 KHz
Image Rejection	60 dB Typ.
RN Noise Figure	6 dB or lower
Stereo Separation	> 45 dB @ 1 KHz
Distorsion	< 0.5% (TYP 0.2 % @ 1 KHz]
Base Band	30 Hz ÷ 53 KHz within 0.1 dB
S/N Ratio	> 72 dB with 0.2 mV input (Typ 78 dB)
Deenphasis	50 or 75 μ S int. selectable
RF Connectors	N-F 50 ohm
B. Band-IF Conn.	BNC-F
Base-Band Imp.	< 30 ohm
Cooling	Forced air
P. Temp. Range	0 ÷ +50°C
Maximum Umidity	90%
AC Supply	100 ÷ 240 Volt; 47 ÷ 63 Hz
Dimension	1 Units Rack 19" 44 cm Depth
Weight	6.2 Kg

