

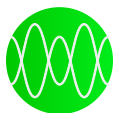
RFE

MAKING
BROADCAST
SMARTER

FM Radio Link TL-T/TL-R Series

FM RADIO LINK





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PRODUCT DESCRIPTION

Studio to Transmitter Links.

An easy solution for terrestrial audio connection.

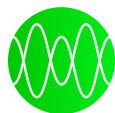
Wide selection of frequencies and distances.

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 2.5 GHz





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

Frequency Range	200~960 MHz <10MHz sub-band; 1.3~2.5 GHz <20MHz sub-band
Type of Modulation	FM Class F3
VCO Tuning	25 MHz
Frequency Stability	± 2,5ppm (Better On request)
Synthesizer Step	25KHz
Power Output	5/10/20W depends of band
Spurious Emission	< -80 dB or better
Harmonic Emission	< -65 dB [-80 dB on request]
Stereo Separation	> 55 dB @ 1 KHz
Distorsion	< 0.2% [TYP 00.8 %] @ 1KHz]
Base Band	30 Hz -60 KHz within 0.15 dB
Unweighted S/N Ratio	S/N Ratio > 72 dB rms at 30 Hz ~ 20 KHz
Emphasis	50 or 75 µS -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 <10MHz sub-band ; 1.3~2.5 GHz <20MHz sub-band
Type of Modulation	FM Class F3
VCO Tuning	25 MHz
Frequency Stability	± 2.5 ppm (Better on request)
Synthesizer Step	25KHz
Image Rejection	60dB Typ.
RN Noise Figure	6dB or lower
Stereo Separation	> 45 dB @ 1 KHz
Distorsion	< 0.5% [TYP 0.2 % @ 1KHz]
Base Band	30 Hz -60 KHz within 0.08 dB
S/N Ratio	> 72 dB with 0.2 mV input (Typ 78 dB)
Deemphasis	50 or 75 µS 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

