

**FM BROADCAST 1.3÷2.5GHz AURAL LINK**  
mod. TSL-RAL



**Technical Features**

Link Transmitter mod. TSL		Link Receiver mod. RAL-03	
Frequency Range:	1300÷2500 MHz <10MHz sub-band	Frequency Ranges	1300÷2500 MHz <10MHz sub-band
Type of Modulation	FM Class F3	Type of Modulation	FM Class F3
VCO Tuning	25 MHz	VCO Tuning	25 MHz
Frequency Stability	± 2,5ppm (Better on request)	Frequency Stability	± 2.5 ppm (Better on request)
Synthesizer Step	100KHz	Synthesizer Step	100KHz
Power Output	5W or 10W (TSL-H)	Image Rejection	> 70dB Typ.
Spurious Emission	< -80 dB or better	Circuit synoptic	Double conversion (70MHz and 10,7MHz)
Harmonic Emission	< -65 dB (-80 dB on request)	RN Noise Figure	6dB or lower
Stereo Separation	> 55 dB @ 1 KHz	Stereo Separation	> 45 dB @ 1 KHz
Distorsion	< 0.2% (TYP 00.8 %) @ 1KHz)	Distorsion	< 0.5% (TYP 0.2 % @ 1KHz)
Base Band	30 Hz ÷ 60 KHz within 0.15 dB	Base Band	30Hz÷60KHz within 0.08 dB
Unweighted S/N Ratio	> 72 dB rms at 30Hz ÷ 20KHz	S/N Ratio	> 72 dB with 0.2 mV input (Typ 74 dB)
Emphasis	50 or 75 µS - selectable	Deemphasis	50 or 75 µS int. selectable
RF Connectors	N-F 50Ohm	RF Connectors	N-F 50 Ohm
Input Base Band Imp.	2 KOhm	B. Band-IF Conn.	BNC-F
Input Mono Impedence	600 Ohm	Base-Band Imp.	< 30 Ohm
Option 1 (upon request)	Stereocoder built-in	Option 1 (upon request)	Stereo Decoder built-in
Option 2 (upon request)	RDS coder built-in	Cooling	Forced air
Cooling	Forced air	P. Temp. Range	0 ÷ +50°C
OP. Temperature Range	0 ÷ +50°C	Maximum Umidity	90%
Maximum Umidity	90%	AC Supply	100 ÷ 240 Volt; 47 ÷ 63 Hz
AC Supply	100 ÷ 240 Volt; 47 ÷ 63 Hz	Dimension	1 Units Rack 19" 44 cm Depth
Dimension	1 Units Rack 19" 44 cm Depth	Weight	6.2 Kg
Weight	6.8 Kg		

Rear side with Stereocoder and Stereodecoder built in

