

TX-K-SS SERIES

TX-MODULAR

MODEL **TX3K5SS**



ORDERING INFORMATION

Model	Description
TX3K5SS	3.500W Modular system.
TX3K5SS/01D121B	Modular transmitter, 3.5KW (composed of 1x PJ3500LCD + SCML1+1SL/V2 + 2x TEX30LCD/S).
TX3K5SS/20D121B	Modular transmitter, 3.5KW (composed of 1x PJ3500LCD + SCML1+1SL/V2 + 2x PTX30LCD/S).
TX3K5SS/41D121B	Modular transmitter, 3.5KW (composed of 1x PJ3500LCD + SCML1+1SL/V2 + 2x PTX30LCDDSP).
TX3K5SS/60D121B	Modular transmitter, 3.5KW (composed of 1x PJ3500LCD + SCML1+1SL/V2 + 2x PTX30DDS).
TX3K5SS/01S121	Modular transmitter, 3.5KW (composed of 1x PJ3500LCD + TEX30LCD/S).
TX3K5SS/20S121	Modular transmitter, 3.5KW (composed of 1x PJ3500LCD + PTX30LCD/S).
TX3K5SS/41S121	Modular transmitter, 3.5KW (composed of 1x PJ3500LCD + PTX30LCDDSP).
TX3K5SS/60S121	Modular transmitter, 3.5KW (composed of 1x PJ3500LCD + PTX30DDS).



TX3K5SS/60D121B

Modular transmitter, 3.5KW (composed of 1x PJ3500LCD + SCML1+1SL/V2 + 2x PTX100DDS).

FEATURES

- Tunable over entire FM band (87.5 – 108 MHZ) without tuning.
- Available in multiple configurations from 2KW to 14KW.
- Amplifier's units from 1.000W to 3.500W.
- Exciter's BLUES, TEX, PTX Series depending on client's requirements and budget.
- Overall efficiency better than 70%.
- Remotely controllable by telemetry system.
- Design for 24/7 non-stop operation.
- N+1 Configuration available.
- Compliance to IEC safety standards.
- Compliance with EC – CCIR – FCC standards.

TX3K5SS/60D121B

Parameters	U.M.	Value	Notes
GENERALS			
RF Output Power	kW	3,5	
Frequency Range	MHz	87,5 – 108	
Frequency Stability	ppm	> 1	
Frequency programmability		By software, with 1, 10, 100 , 1000 kHz steps	
Nominal Frequency Deviation		±75 KHz (peak)	
Maximum Frequency Deviation		±150 KHz (peak)	
Class of Emission		180KF8E Direct to Channel	
Modulation Mode		Mono, Stereo, Multiplex, SCA, RDS, Aux	
Stereo transmissions		Acc. to ITU-R / Rec. 450 (Pilot tone)	
RF Output Impedance		50 Ω, Unbalanced	
RF Output Connector		1-5/8" EIA Flange	
VSWR		1.4:1 with automatic fold-back at higher VSWR	
Pre-emphasis Mode		0/50 (CCIR) μs, 75 (FCC) μs	
Asynchronous AM S/N Ratio	dB	Typically > 70	
Synchronous AM S/N Ratio	dB	Typically > 55	
Harmonics suppression and Spurious	dB	Typically < 85	
Overall efficiency	%	Typically > 70	
RF Harmonics		Exceeds ETSI/CCIR/FCC requirements	
RF Spurious		Exceeds ETSI/CCIR/FCC requirements	
Analogue Input Level {+75 KHz (peak) deviation }		-12,5 dBu - +12,5 dBu (adjustable)	
Digital Input Level {+75 KHz (peak) deviation }		-20,0 dBFS - 0 dBFS (adjustable)	
MONO OPERATION			
S/N ratio	dB	Typically > 83	
Total Harmonic Distortion + Noise	%	Typically < 0,03	
Inter Modulation Distortion SMPTE	%	Typically < 0,02	
Frequency Response	dB	Typically ± 0,2	
Audio Input Impedance		600 Ω or 10 kΩ	
MPX OPERATION			
Composite S/N ratio	dB	Typically > 80	
Total Harmonic Distortion + Noise	%	Typically < 0,05	
Inter Modulation Distortion	%	Typically < 0,05	
Frequency Response	dB	Typically ± 0,2	
Audio Input Impedance		10 kΩ	
STEREO OPERATION			
Stereo FM S/N Ratio	dB	Typically > 83	
Total Harmonic Distortion + Noise (L or R)	%	Typically < 0,02	
Inter Modulation Distortion SMPTE (L or R)	%	Typically < 0,02	
Frequency response (L or R)	dB	Typically ± 0,2	
Linear Cross Talk	dB	Typically > 50	
Non-linear Cross Talk	dB	Typically > 50	
Stereo Separation (Sine Wave)	dB	Typically > 70	
Audio Input Impedance		600 Ω or 10 kΩ	
Digital Input Impedance		110 Ω	

All pictures are RVR's property and they are only indicative and not binding. The pictures can be modified without notice. These are general specifications. They show typical values and are subject to change without notice.



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