

TX-KSS MODULAR SERIES

MID/HIGH POWER AIR COOLED

from 2000W to 14.000W

MODELS

TX02KSS

TX03KSS

TX3K5SS

TX04KSS

TX05KSS

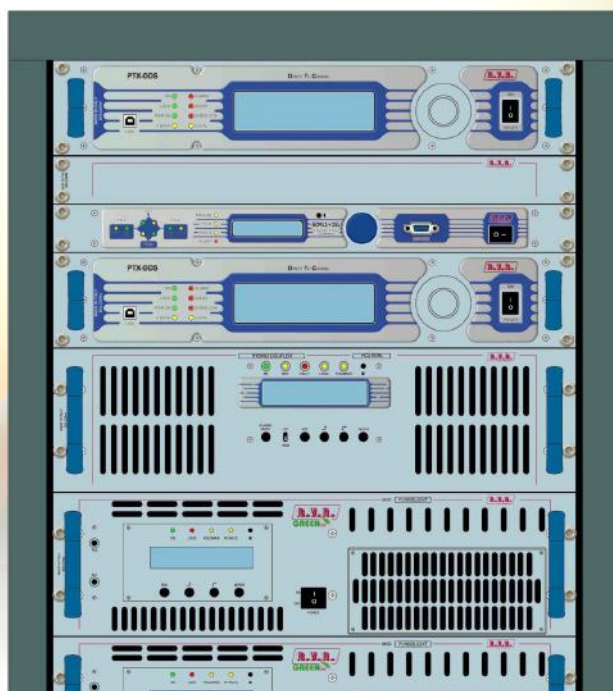
TX07KSS

TX7K5SS

TX10KSS

TX12KSS

TX14KSS



- **Scalable Solution from 2.000W to 14.000W.**
- **Best transmission quality, at the best market place.**
- **The most flexible combinations available for high reliability and redundancy**
- **N+1 Configuration available for 24/7 business continuity.**
- **Tunable over the entire FM band 87.5 - 108 MHz, without tuning. Other bands on request.**
- **WEB, SNMP2, GSM, Serial remote controls (option).**
- **Full compliance with EC, FCC and CCIR standards.**

Exciters:

- **BLUES, TEX, PTX Series depending on client's requirements and budget.**
- **Single and Dual Drive with automatic or manual changeover.**
- **Fold-back control for effective "VSRW" protection.**
- **Including IAMLC: Intelligent Automatic Modulation Level Control.**

Amplifiers:

- **Single amplifier's units: from 1.000W to 3.500W.**
- **High-gain with very low input drive power requirement.**
- **Adjustable power output from 10 to 100 %.**
- **Exclusive "Long Life FET" technology for mosfet life extension.**



TX05KSS/61D082B

Modular transmitter, 5KW
(composed of HC2 + 2x PJ2500LCD
+ SCML1+1SL/V2 + 2x PTX100DDS).



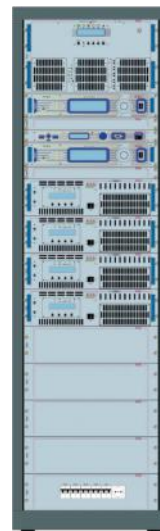
TX07KSS/61D122B

Modular transmitter, 7KW
(composed of HC2 + 2x PJ3500LCD
+ SCML1+1SL/V2 + 2x PTX100DDS).



TX7K5SS/61D083B

Modular transmitter, 7.5KW
(composed of HC3 + 3x PJ2500LCD
+ SCML1+1SL/V2 + 2x PTX100DDS).



TX10KSS/62D084B

Modular transmitter, 10KW
(composed of HC4 + 4x PJ2500LCD
+ SCML1+1SL/V2 + 2x PTX150DDS).



TX05KSS/61D082B

Parameters	U.M.	Value	Notes
GENERAL			
RF Output Power	kW	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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TX10KSS/62D084B

Parameters	U.M.	Value	Notes
GENERAL			
RF Output Power	kW	10	
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	

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ORDERING INFORMATION	
Model	Description
TX02KSS/61D112B	Modular transmitter, 2KW (composed of HC2 + 2x PJ1000LIGHT + SCML1+1SL/V2 + 2x PTX100DDS).
TX03KSS/61D113B	Modular transmitter, 3KW (composed of HC3 + 3x PJ1000LIGHT + SCML1+1SL/V2 + 2x PTX100DDS).
TX3K5SS/60D121B	Modular transmitter, 3.5KW (composed of 1x PJ3500LCD + SCML1+1SL/V2 + 2x PTX30DDS).
TX04KSS/61D114B	Modular transmitter, 4KW (composed of HC4 + 4x PJ1000LIGHT + SCML1+1SL/V2 + 2x PTX100DDS).
TX05KSS/61D082B	Modular transmitter, 5KW (composed of HC2 + 2x PJ2500LCD + SCML1+1SL/V2 + 2x PTX100DDS).
TX07KSS/61D122B	Modular transmitter, 7KW (composed of HC2 + 2x PJ3500LCD + SCML1+1SL/V2 + 2x PTX100DDS).
TX7K5SS/61D083B	Modular transmitter, 7.5KW (composed of HC3 + 3x PJ2500LCD + SCML1+1SL/V2 + 2x PTX100DDS).
TX10KSS/62D084B	Modular transmitter, 10KW (composed of HC4 + 4x PJ2500LCD + SCML1+1SL/V2 + 2x PTX150DDS).
TX12KSS/62D085B	Modular transmitter, 12KW (composed of HC5+ 5x PJ2500LCD + SCML1+1SL/V2 + 2x PTX150DDS).
TX14KSS/62D124B	Modular transmitter, 14KW (composed of HC4+ 4x PJ3500LCD + SCML1+1SL/V2 + 2x PTX150DDS).
TX02KSS/61S112	Modular transmitter, 2KW (composed of HC2 + 2x PJ1000LIGHT + PTX100DDS).
TX03KSS/61S113	Modular transmitter, 3KW (composed of HC3 + 3x PJ1000LIGHT + PTX100DDS).
TX3K5SS/60S121	Modular transmitter, 3.5KW (composed of 1x PJ3500LCD + PTX30DDS).
TX04KSS/61S114	Modular transmitter, 4KW (composed of HC4 + 4x PJ1000LIGHT + PTX100DDS).
TX05KSS/61S082	Modular transmitter, 5KW (composed of HC2 + 2x PJ2500LCD + PTX100DDS).
TX07KSS/61S122	Modular transmitter, 7KW (composed of HC2 + 2x PJ3500LCD + PTX100DDS).
TX7K5SS/61S083	Modular transmitter, 7.5KW (composed of HC3 + 3x PJ2500LCD + PTX100DDS).
TX10KSS/62S084	Modular transmitter, 10KW (composed of HC4 + 4x PJ2500LCD + PTX150DDS).
TX12KSS/62S085	Modular transmitter, 12KW (composed of HC5+ 5x PJ2500LCD + PTX150DDS).
TX14KSS/62S124	Modular transmitter, 14KW (composed of HC4+ 4x PJ3500LCD + PTX150DDS).

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