

FM BROADCAST LOW CONSUMPTION 1 KW TRANSMITTER



Technical Features

On request

Frequency Range	87.5 ÷ 108 MHz	47 – 88 MHz
Type	Full Solid State Mos – Fet Wide band	
Modulation	FM	
Emission class	F3	
VCO tuning	26 MHz	
Frequency Stability	± 2,4 ppm	1ppm
Sinthesizer stepp	10 KHz	
Power Out	0 ÷ 1100 W	
Spurious Emission	≤ - 80 dB or better	
Harmonic Emission	≤ - 70 dB	≤ 95 dB
Stereo Separation	≥ 56 dB @ 1 KHz	
Distorsion	≤ 0,1% (TYP. 0.06%) 1 KHz	
Base Band	30 Hz ÷ 60 KHz within 0.15 dB	
Unweighted S/N RATIO	≥ 80 dB (30 Hz ÷ 15 KHz 50µS RMS	
Asynchronous AM S/N RATIO	≥ 65 dB @ 100% AM 400 KHz	
Synchronous AM S/N RATIO	≥ 65 dB with FM @ 75 KHz @ 400 Hz	
Pre Emphasis	50 or 75 µS internal Selectable	
RF out connector	7/16" Female	7/8"
MPX input connector	BNC - F	
MPX input impedance	2 KΩ	
SCA input connector	3 x BNC - F	
PROTECTION		
OVERLOAD,SWR (REDUCING POWER) ,TEMPERATURE		
Cooling	FORCED AIR	
Operating Temperature	0 ÷ 45°C	
Maximum Umitity	90% non condensing	
AC Supply	195 – 260 VAC 45 – 65 Hz	90 - 160
AC Consumption	1700 W ± 3% (@ 230 VAC @ 1.1 KW OUT)	
Dimension	2 + 1 unit rack 19" 530mm depth	
Weigth	≤19 Kg	

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