

## FM BROADCAST LOW CONSUMPTION 2KW 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 ÷ 2100 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		
<b>OVERLOAD,SWR (REDUCING POWER) ,TEMPERATURE</b>		
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	<b>3300 W ± 3% ( @ 230 VAC @ 2.1 KW OUT )</b>	
Dimension	2 + 1 unit rack 19" 530mm depth	
Weigth	≤24 Kg	

Italab Communications

via Casale 3/a, cap. 20144 Milano ( Italy )

Phone: 0039 02 89420845 – Fax : 0039 02 23168389

mail: [info@italab.it](mailto:info@italab.it) web site : [www.italab.it](http://www.italab.it)