

Broadcast FM Transmitter mod. ESVA



- ▶ Compact 1HE professional case with reduced dimensions and weight
- ▶ Lower AC power consumption and Lower heating
- ▶ Top sound quality due to an FM signal generator having excellent signal/noise ratio and ultralow THD
- ▶ Full Broadband.No tuning or adjustments required.The frequency can be easily changed in whole FM band
- ▶ Dynamic protection of the power output which is automatically reduced to keep your station on the air
- ▶ Wide operating voltage range: 100-240V AC
- ▶ Easy and intuitive way to change frequency under a password key
- ▶ Simple installation and setup

TECHNICAL FEATURES

FREQUENCY RANGE:	87.5 ÷ 108 MHz
MODULATION:	FM
EMISSION CLASS:	F3E
VCO TUNING:	25 MHz
FREQUENCY STABILITY:	± 2.5 ppm
SYNTHESIZER STEP:	10KHz
POWER OUTPUT:	0 ÷ 20W or 50W (ESVA50) or 100W (ESVA100)
SPURIOUS EMISSION:	< - 80 dB or better
HARMONIC EMISSION:	< - 65 dB
STEREO SEPARATION:	> 55 dB @ 1KHz
DISTORSION:	< 0.1 % (TYP. 0.06%) @ 1KHz
BASE BAND:	30 Hz ÷ 60 KHz within 0.15 dB
UNWEIGHTED S/N RATIO:	> 80 dB (30Hz ÷ 15KHz 50µS RMS)
ASYNCHRONOUS AM S/N Ratio:	> 70 dB Ref. 100% AM 400Hz
SYNCHRONOUS AM S/N Ratio:	> 65 dB with FM @ 75KHz @400Hz
PRE-ENPHASIS:	50 OR 75 µS int. selectable
RF OUT CONNECTOR:	N-F 50 Ohm
MPX INPUT CONNECTOR:	BNC-F
MPX INPUT IMPEDANCE:	2 KOhm
SCA INPUT CONNECTOR:	3 BNC-F
COOLING:	Forced air by brushless fan
OP.TEMPERATURE RANGE:	- 10 ÷ +45 °C
MAXIMUM UMIDITY:	90 %
AC SUPPLY:	100 ÷ 240 VAC - 47 ÷ 63 Hz
DIMENSION:	1 unit rack 19", 405mm depth
WEIGHT:	8Kg

