



- ✘ Compact 3HE professional case
- ✘ 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
- ✘ Use of last generation LDMosFet's for top-energy saving
- ✘ Dynamic protection of the power output which is automatically reduced to keep your station on the air
- ✘ Wide operating voltage range: 100-240V AC with high efficiency Power Supply
- ✘ Easy and intuitive way to change frequency under a password key
- ✘ Simple installation and setup

## Technical Features

FREQUENCY RANGE:	87.5 + 108 MHz (76+88MHz on request)
TYPE:	FULL SOLID STATE MOS-FET-WIDE BAND
MODULATION:	FM
EMISSION CLASS:	F3E
VCO TUNING:	25 MHz
FREQUENCY STABILITY:	± 2,5 ppm
SYNTHESIZER STEP:	100KHz (10KHz on request)
POWER OUTPUT:	0 ÷ 1.000 Watts
SPURIOUS EMISSION:	< - 80 dB or better
HARMONIC EMISSION:	< - 60 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 50 µS RMS)
ASYNCHRONOUS AM S/N Ratio:	> 65 dB Ref. 100% AM 400Hz
SYNCHRONOUS AM S/N Ratio:	> 65 dB with FM @ 75KHz @400Hz
PRE-EMPHASIS:	50 OR 75 IS int. Selectable
RF OUT CONNECTOR:	7/16" female
MPX INPUT CONNECTOR:	BNC-F
MPX INPUT IMPEDANCE:	2 Kohm
SCA INPUT CONNECTOR:	3 BNC-F
PROTECTIONS:	<b>OVERLOAD, VSWR in a fold-back reducing power, TEMPERATURE</b>
COOLING:	Forced Air
OP.TEMPERATURE RANGE:	0 ÷ +50 °C
MAXIMUM UMIDITY:	95 % non condensing
AC SUPPLY:	110 + 264 VAC - 47 ÷ 63 Hz
AC CONSUMPTION:	From 1450 to 1500VA
DIMENSION:	3 unit rack 19", 570mm depth
WEIGHT:	18 Kg

High power device used in ESVA1K in a planar technology line transformer with high efficiency



REAR SIDE