

ESVA500 FM BROADCAST 500W COMPACT TRANSMITTER



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 ÷ 500 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-ENPHASIS:	50 OR 75 µS int. Selectable
RF OUT CONNECTOR:	N female
MPX INPUT CONNECTOR:	BNC-F
MPX INPUT IMPEDANCE:	2 Kohm
SCA INPUT CONNECTOR:	3 BNC-F
PROTECTIONS:	OVERLOAD, VSWR in a fold-back reducing power TEMPERATURE
COOLING:	Forced Air
OP.TEMPERATURE RANGE:	0 ÷ +50 °C
MAXIMUM UMIDITY:	90 %
AC SUPPLY:	100 ÷ 240 VAC - 47 ÷ 63 Hz
DIMENSION:	3 unit rack 19", 530mm depth
WEIGHT:	15 Kg

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