



TECHNOSYSTEM S.r.l.

By  Group

## Mod. TS/T-2000 FM BROADCAST 2000W COMPACT TRANSMITTER



### Technical Features

FREQUENCY RANGE: ..... 85 ÷ 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 ÷ 2.000 Watts  
SPURIOUS EMISSION: ..... < - 90 dB or better  
HARMONIC EMISSION: ..... < - 72 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 mS 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  $\mu$ S 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: ..... Overload, VSWR in a fold-back reducing power, Temperature  
COOLING: ..... Forced Air  
OP.TEMPERATURE RANGE: ..... 0 ÷ +50 °C  
MAXIMUM UMIDITY: ..... 95 % non condensing  
AC SUPPLY: .....100 ÷ 240 VAC - 47 ÷ 63 Hz  
CONSUMPTION AT MAX POWER:..... 2.700VA  $\pm$ 5%  
DIMENSION: ..... 3 unit rack 19", 530mm depth  
WEIGHT: ..... 21 Kg