

500W FM SOLID STATE TRANSMITTER



- ☑ **FM MODULATOR WITH EXCELLENT SPECIFICATIONS**
- ☑ **COMPACT SIZE ON 2HE 19" FRAME**
- ☑ **FULLY COMPLIANT WITH ETSI REQUIREMENTS**
- ☑ **EFFICIENT LOW NOISE FORCED AIR COOLING**
- ☑ **PROTECTIVE CIRCUITS FOR THE RF POWER TRANSISTORS**
- ☑ **STATE OF THE ART LD MOS TECHNOLOGY**
- ☑ **HIGH SUPPRESSION OF THE INTERMODULATION PRODUCTS**
- ☑ **REMOTE CONTROL/MONITORING VIA SNMP/WEBSERVER**
- ☑ **USER-FRIENDLY 3.5" TOUCH SCREEN DISPLAY**
- ☑ **EASY INSTALLATION, START-UP AND MAINTENANCE**

GENERAL SPECIFICATIONS

FREQUENCY RANGE	87.5 – 108 MHZ
OPERATING VOLTAGE	SINGLE PHASE 90+264 VAC, 50/60HZ
POWER FACTOR	> 0.95
OPERATING TEMPERATURE	-5°C to 45°C
HUMIDITY	95% NON CONDENSING
INSTALLATION HEIGHT	UP TO 3000mt ASML
POWER CONSUMPTION (TYPICAL)	710W
OUTPUT RF CONNECTOR	7/16 TYPE
AVAILABLE INPUTS	L+R, MPX, SCA, AES/EBU (as option)

RF SPECIFICATIONS

RF OUTPUT POWER	500W
FREQUENCY SETTING	100kHz STEPS
FREQUENCY STABILITY	± 500HZ /YEAR
NOMINAL FREQUENCY DEVIATION	± 75KHZ
SPURIOUS EMISSION	in accordance with ETSI EN 302018-2
VSWR	1.4

MPX CHARACTERISTICS

SIGNAL INPUT	MPX COMPOSITE
INPUT IMPEDANCE	UNBALANCED 10KOhm
INPUT CONNECTOR	BNC
INPUT LEVEL	ADJUSTABLE
AUDIO FREQUENCY RESPONSE (40HZ - 65KHZ)	< 0.5dB
THD + N	< 0.3%

STEREO CHARACTERISTICS

INPUT IMPEDANCE	BALANCED 600 Ohm
INPUT CONNECTORS	Canon XLR
INPUT LEVEL	-6 to +12 dBm
PRE-EMPHASIS	75us, 50us, 0
AUDIO FREQUENCY RESPONSE (40HZ - 15KHZ)	< 0.5dB
THD + N	< 0.3%
CROSSTALK (40HZ – 15KHZ)	> 47dB
SIGNAL TO NOISE RATIO (@ 75KHZ DEVIATION)	> 75dB

REMOTE CONTROL AND MONITORING SYSTEM

ETHERNET, WEB SERVER AND SNMP	AVAILABLE AS OPTION
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AVAILABLE OPTIONS

STEREO CODER
RDS CODER