

10KW FM TRANSMITTER

with digital FM modulator



- ✓ **FM DIGITAL MODULATOR WITH EXCELLENT SPECIFICATIONS**
- ✓ **AVAILABLE ON 24 OR 40HE 19" FRAME**
- ✓ **FULLY COMPLIANT WITH ETSI REQUIREMENTS**
- ✓ **EFFICIENT LOW NOISE FORCED AIR COOLING**
- ✓ **PROTECTIVE CIRCUITS FOR THE RF POWER TRANSISTORS**
- ✓ **HIGH EFFICIENCY UP TO 75%**
- ✓ **STATE OF THE ART LD MOS TECHNOLOGY**
- ✓ **REMOTE CONTROL/MONITORING VIA SNMP/WEBSERVER**
- ✓ **USER-FRIENDLY TOUCH SCREEN DISPLAY**
- ✓ **EASY INSTALLATION, START-UP AND MAINTENANCE**

GENERAL SPECIFICATIONS

MODEL	2A10KA
FREQUENCY RANGE	87.5 – 108 MHZ
OPERATING VOLTAGE	3x400VAC±10%, 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	13.7kW TYPICAL
OUTPUT RF CONNECTOR	EIA 1"5/8 TYPE
AVAILABLE INPUTS	L+R, MPX, RDS/DARC, SCA, AES-EBU,10MHz, ASI (Optional)

RF SPECIFICATIONS

RF OUTPUT POWER	10000W
FREQUENCY SETTING	10KHZ STEPS
FREQUENCY STABILITY	± 100HZ /YEAR
NOMINAL FREQUENCY DEVIATION	± 75KHZ (deviation limiter available)
SPURIOUS EMISSION	in accordance with ETSI EN 302018-2
VSWR	1.4

MPX CHARACTERISTICS

SIGNAL INPUT	MPX COMPOSITE
INPUT IMPEDANCE	Unbalanced 10KΩ
INPUT CONNECTOR	BNC
INPUT LEVEL	-6dBu to +12dBu
AUDIO FREQUENCY RESPONSE (30HZ - 65KHZ)	≤ 0.2dB
AUDIO FREQUENCY RESPONSE (65HZ - 95KHZ)	< 0.5dB
THD + N	< 0.3%

STEREO CHARACTERISTICS

INPUT IMPEDANCE	Balanced 600Ω or 10KΩ
INPUT LEVEL (ANALOGUE)	-6 to +12 dBm
INPUT LEVEL (DIGITAL)	-6dBf
PRE-EMPHASIS	Digital 0, 50 or 75us, selectable
AUDIO FREQUENCY RESPONSE (30HZ - 15KHZ)	< 0.3dB
THD + N	< 0.3%
CROSSTALK (30HZ – 15KHZ)	> 50dB
SIGNAL TO NOISE RATIO (@ 75KHZ DEVIATION)	> 75dB

REMOTE CONTROL AND MONITORING SYSTEM

ETHERNET, WER SERVER AND SNMP	AVAILABLE AS OPTION
-------------------------------	---------------------

AVAILABLE OPTIONS

ASI INPUT	
RDS CODER	
DUAL EXCITER	