

3B0K5A

500W DAB VHF BIII TRANSMITTER



- ✓ DAB/DAB+ MODULATOR WITH EXCELLENT SPECIFICATION
- ✓ AVAILABLE ON 12, 24HE OR 40RU FRAME
- ✓ FULLY BROADBAND SOLID STATE AMPLIFIERS
- ✓ MFN, SFN OPERATION
- ✓ DIGITAL ADAPTIVE PRECORRECTION
- ✓ SEAMLESS INPUT SWITCHING (2xETI NA OR NA)
- ✓ EDI INPUT AVAILABLE AS OPTION
- ✓ INTERNAL GPS RECEIVER AVAILABLE AS OPTION
- ✓ EFFICIENT LOW NOISE FORCED AIR COOLING
- ✓ REMOTE CONTROL/MONITORING VIA SNMP/WEB
- ✓ USER-FRIENDLY TOUCH SCREEN DISPLAY
- ✓ EASY INSTALLATION, STARTUP AND MAINTENANCE

GENERAL SPECIFICATIONS

FREQUENCY RANGE	VHF BIII (174 – 240 MHz)
STANDARDS	DAB: EN 300 401 v1.4.1, DMB : EN TS 102 428 v1.1.1 ETI INTERFACE: ETSI TS 300 799 v1.5.1, EDI ENCAPSULATION: TS 102 693
OPERATING VOLTAGE	230 VAC±10% or 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	1450W typical
OUTPUT RF CONNECTOR	EIA 7/8" TYPE
AVAILABLE INPUTS	ETI (NI) & ETI (NA) – 2x BNC 75 Ohm, EDI - RJ45 (OPTIONAL)
SAFETY	COMPLIANT WITH EN 60215

RF SPECIFICATIONS

RF OUTPUT POWER	500W
DAB MODES	I, II, III, IV
OPERATING NETWORK	MFN, SFN
SHOULDERS	> 30 dB typical (before mask filter)
MER	> 30dB typical
VSWR	1.4
RF EMISSION	COMPLIANT WITH EN 302 077 1-2

FREQUENCY REFERENCES

BUILT-IN REFERENCE	10MHZ OCXO
EXTERNAL REFERENCE	10MHZ, 1PPS
FREQUENCY STABILITY	BETTER THAN 1×10^{-9} (PERIOD 24h)
ON BOARD GPS RECEIVER	AVAILABLE AS OPTION

REMOTE CONTROL AND MONITORING SYSTEM

ETHERNET, WER SERVER AND SNMP

AVAILABLE OPTIONS

EDI INPUT
SATELLITE INPUT
ON BOARD GPS RECEIVER