

**THE MICRO PHASE COMMUNICATION
MP-4050 ATIS
MODULATOR
SPECIFICATIONS**

RF CHARACTERISTICS

OUTPUT FREQUENCY	7.1MHz (synthesised)
SPECTRAL PURITY	1) Non-harmonic - better than -55dBc 2) Harmonic - better than -45dBc
MAXIMUM OUTPUT CARRIER LEVEL	100mV bridged across 75 ohm system
OUTPUT IMPEDANCE	2K ohm
OUTPUT LEVEL ADJUST	Front-panel pot
CARRIER ON/OFF RATIO	50dBc
FREQUENCY STABILITY	10ppm per year 7ppm from 5°C to 55°C
FREQUENCY ADJUST	Internal trimmer capacitor
LEVEL STABILITY	±.25dB (5°C to 40°C)
MODULATION TYPE	Frequency modulation
MODULATION FREQUENCY	1200Hz ±800Hz
DEVIATION	±25kHz peak
SIGNAL TO NOISE	>55dB (ref to 25kHz peak)
DEVIATION ADJUST	Internal factory adjustment

FRONT-PANEL FEATURES

INJECTION LEVEL ADJUST	-26dB max level
LED INDICATOR	CXR On/Off
DB25 RECEPTACLE (DCE)	RS232 interface (9600 baud)

PROGRAMMABILITY

FIELD PROGRAMMABLE PARAMETERS	1) FCC Call Sign (7 char)
2) Telephone Number	(10 char)
3) Optional Information	(10 char)
PROTECTED PROGRAMMABLE PARAMETERS (Requires Access Code)	1) Output frequency
	2) Morse Code tone frequency
	3) Message rate

GENERAL SPECIFICATIONS

POWER	±15V @ ±80mA
PLUG IN CARD	Wagener Mainframe compatible



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