

**THE MICRO PHASE COMMUNICATION
MP-4040 DATA
SUB-CARRIER MODULATOR
SPECIFICATIONS**

OUTPUT CHARACTERISTICS

OUTPUT FREQUENCY	.1MHz to 8MHz
AGILITY	1kHz step size
SPECTRAL PURITY	1) Non-harmonic - better than -60dBc 2) Harmonic - better than -40dBc
PHASE NOISE	80dBc @ 1kHz offset
MAXIMUM OUTPUT CARRIER LEVEL	33mV RMS bridged across 75-ohm system
OUTPUT IMPEDANCE	3.3K ohm
OUTPUT LEVEL ADJUST RANGE	10dBm (front panel adjust)
CARRIER ON/OFF RATIO	50dBc
FREQUENCY STABILITY	5ppm per year 5ppm during first month 7ppm from 5°C to 55°C
FREQUENCY ADJUST	Internal trimmer capacitor
LEVEL STABILITY	±.25dB (10°C to 40°C)
OUTPUT CONNECTOR	Rear BNC (female) connector
OUTPUT CARRIER MONITOR	Front-panel BNC (female) connector

MODULATION CHARACTERISTICS

MODULATION RATE	1200, 2400, 4800 and 9600, 19.2K Baud
DEVIATION	1.4 X DATA RATE (peak-to-peak)
DATA INPUT LEVEL	RS232 or TTL LEVELS
INPUT CONNECTOR	DB25 (Male)

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FRONT-PANEL CONTROLS

KEY PAD

- * NUMERIC KEYS
- * FUNCTION KEYS FOR:
 - FREQUENCY SELECT
 - CHANNEL SELECT
 - BAUD RATE
 - CARRIER ON/OFF
 - LOCAL SELECT
 - ENTER
 - LOAD (frequency)

INDICATORS

- * FOUR-DIGIT LED DISPLAY
- * LIGHTED FUNCTION KEYS for
 - CXR ON/OFF
 - LOCAL/REMOTE
- * POWER-ON LIGHT

REMOTE-CONTROL INTERFACES

Remote Capability

- * All front-panel functions

Control Bus

- * RS232 port (300 baud)

Local Bus

- * RS422 port for linking units together

GENERAL SPECIFICATIONS

POWER

100V, 120V, 220V, 240V \pm 10%
AC 50/60Hz 50 Watts

SIZE

.75"H x 17"W

MOUNTING

19" RACK-MOUNT



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