

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 75ohm 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 1st 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	<ul style="list-style-type: none">* NUMERIC KEYS* FUNCTION KEYS for FREQUENCY SELECT CHANNEL SELECT BAUD RATE CARRIER ON/OFF LOCAL SELECT ENTER LOAD (frequency)
INDICATORS	<ul style="list-style-type: none">* 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