

**THE MICRO PHASE COMMUNICATION  
MP-2010P FM AUDIO  
DEMODULATOR PLUG-IN CARD  
SPECIFICATIONS**

**RF CHARACTERISTICS**

INPUT FREQUENCY	* 52MHz to 88MHz
FREQUENCY SYNTHESISED	* 10KHz steps
NOISE FIGURE	* < 18dB
IMAGE REJECTION RATIO	* Better than 57dB
INPUT SIGNAL LEVEL RANGE	* -20dBm to -60dBm
INPUT IMPEDANCE	* 1K $\Omega$ / 10pF
INPUT CONNECTOR	* Rear-edge connector

**AUDIO CHARACTERISTICS**

EXPANDER	* DBX 3:1, 2:1 or other
AUDIO FREQUENCIES	* 50Hz to 3.4kHz, 5kHz, 7.5kHz or 15kHz
FREQUENCY RESPONSE	* $\pm$ 0.2dB, 50Hz to 15kHz (excludes expander)
DE-EMPHASIS	* 0uS, 25uS, 75uS or other
DEVIATION	* $\pm$ 15kHz or $\pm$ 75kHz (peak)
THD	* 0.2%
SIGNAL TO NOISE	* Within 1.5dB of theoretical
THRESHOLD	* 2dB of extension (pll demodulation)
SQUELCH	* Out-of-band noise
AUDIO OUTPUT LEVEL	* +18dBm (PPL)
AUDIO LEVEL ADJUST	* Front-panel adjust
AUDIO OUTPUT IMPEDENCE	* 600 ohm, active balanced (no transformer)
OUTPUT RETURN LOSS	* > 26dB

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**FRONT-PANEL FEATURES**

FREQUENCY SELECT	* 10kHz steps (thumbwheel select)
INDICATORS	* Audio level * Carrier * Synthesiser lock * AFC alarm
AUDIO LEVEL	* Preset adjust
AUDIO MONITOR	* Audio jack

**REAR CONNECTIONS**

CARD EDGE CONNECTOR	* 52-88MHz Input * Audio output * Alarm outputs * $\pm(15-18V)$ input
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**GENERAL SPECIFICATIONS**

DC POWER	* $\pm(15-18V)$
MOUNTING	* Standard card for CMI/MAI Card-cage system
OPERATING TEMPERATURE	* 10°C to 50°C