

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 Ω /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