

THE MICRO PHASE COMMUNICATION
MP-2030S FM AUDIO
SINGLE DEMODULATOR
SPECIFICATIONS

RF CHARACTERISTICS

PRIMARY INPUT FREQUENCY	* 3700MHz to 4200MHz
SECONDARY INPUT FREQUENCY	* 52MHz to 88MHz
FREQUENCY SYNTHESISED	* 10KHz steps
NOISE FIGURE	* < 18dB
IMAGE REJECTION RATIO	* Better than 57dB
INPUT SIGNAL LEVEL RANGE	* -55dBm to -85dBm
INPUT IMPEDANCE	* 50 ohm
RETURN LOSS	* 12dB
INPUT CONNECTOR	* Type N Female
LNA POWER	* Coax Center Conductor
TRANSPONDER SELECT	* Factory Set

AUDIO CHARACTERISTICS

EXPANDER	* DBX 3:1, 2:1 or other
AUDIO FREQUENCIES	* 50Hz to 3.4kHz, 5kHz, 7.5kHz or 15kHz
FREQUENCY RESPONSE	* ± 0.2 dB, 50Hz to 15kHz (excludes expander)
DE-EMPHASIS	* 0uS, 25uS, 75uS or other
DEVIATION	* ± 15 kHz or ± 75 kHz (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
POWER	* Front Panel Fuse * Front Panel Power Indicator

REAR PANEL CONNECTIONS

N-TYPE CONNECTOR	* C-Band Input
BNC INPUT	* 52-88MHz Input/Output
POWER ENTRY	* Power Cord Receptacle
FUSE	* LNA Fuse
PLUGGABLE TERM BLOCK	* Audio Output * Alarm Outputs

GENERAL SPECIFICATIONS

AC POWER	* 110V,60Hz, 50 Watts
SIZE	* 17" W x 1.75" H (slimline)
MOUNTING	* 19" Rack Mount, flush
OPERATING TEMPERATURE	* 10°C to 50°C
DUAL CHANNEL UPGRADEABLE	* field convertible to MP-2020S