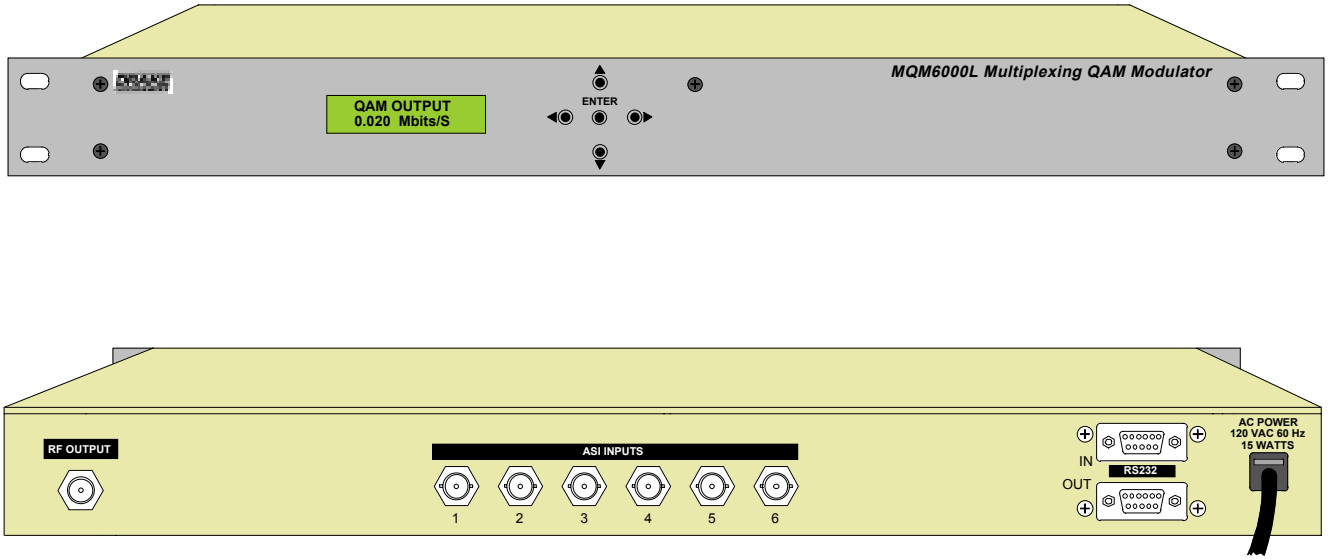
MQM6000L Multiplexing QAM Modulator



SPECIFICATIONS

ASI INPUTS

Six Inputs 270 MHz clock rate, 40 Mbps maximum

Programs TS rate at each input. MPTS or SPTS

MULTIPLEXING and PROGRAM FILTER One SPTS may be selected from each input. The selected programs will be multiplexed as long as the data rate of the resulting MPTS does not exceed the output QAM channel capacity.

NULL PACKET PROCESSING: Fixed output clock mode

QAM MODULATOR

Modulation Modes: 16QAM, 32QAM, 64QAM, 128QAM, 256QAM, 512QAM or 1024QAM.

Symbol Rate: 1 Ms/s to 7 Ms/s.
FEC: ITUA (DVB) or ITUB (DigiCipher II).
I/Q Phase Error: Less than 1 degree.
Carrier Suppression: 45 dB.
Channel Amplitude Error: Less than 1 dB.
MER: Greater than 38 dB with blind equalizer.

UPCONVERTER RF OUTPUT

Output Frequency Range: 54 MHz to 1002 MHz.
Channel Plan: Std. CATV, HRC, IRC, or Broadcast
FCC offsets: Automatic, +12.5 or +25 kHz
Frequency Stability: ± 5 ppm.
Maximum Output Level: + 40 dBmV minimum, adjustable downward.
Output Level Accuracy: ± 1 dB.
Output Impedance: 75 Ohms with return loss better than 14 dB (within output filter passband).
Spurious Outputs: -60 dBc from 40 MHz to 1000 MHz.
Broadband Noise: -75 dBc
Phase Noise: -101 dBc @ 10 kHz offset

RS232 CONTROL

Data Link: 2400, 4800, 9600, or 19,200 baud interface via serial cable.
RS232 Input: DB-9 connector for connection to modem or PC.
RS232 Output: DB-9 connector for connection to addtional transcoders.

GENERAL

Power: 90 - 132 VAC/ 60 Hz, 15 W maximum.
Weight: 7 pounds
Size: 19” W x 1.75” H x 11.5” D.
Operating Temperature: 0 degrees C to + 50 degrees C

Specifications subject to change without notice or obligation.

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