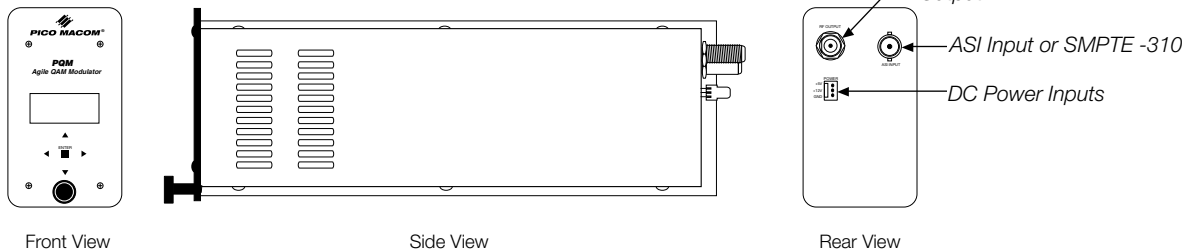


PQM Agile QAM Modulator

- Professional quality QAM Agile Modulator an UP Converter
- Modular design allows 6 or 8 moduls in 2 RU
- Accepts DVB-ASI input or SMPTE-310, complies with DVB ASI standard
- RF output channels 2~135 (54~860MHz)
- Minimum 45 dBmV output level, low group delay provide crisp, clear picture
- ANNEX B and ANNEX A FEC encoder Support
- Supports Fixed and Auto Clock Mode
- QAM Modes Supported: 64 and 256
- Null Packets stuffing and PCR corrections are provided in the fixed clock mode
- Programmable by channel or frequency
- Loss of Transport Stream Alarm
- Built in CW Test mode
- Used with MPC-12, MPC-12R, or MPC-16PS/GS (chassis and power supply)



Specifications

QAM Modes	64, 256	Broadband Noise	-75 dBc
Symbol Rate	1 to 7 Mbaud	Spurious Output	- 60 dB minimum (54 to 1000 MHz)
Input	ASI	Group Delay	<10 ns
FEC Encoder	ITU-T J.83 ANNEX B (DigiCipher® II, ITU-T J.83 ANNEX A (DVB)	Connectors	F-type
Spectral Inversion	Auto Recognition	ASI Input	BNC 75
Carrier Suppression	>53 dB	RF output	F type, Female
MER	40 dB Minimum	Connectors	
I/Q Phase Error	<1°	Power Headers	3 Pin, 5 VDC, 12 VDC, and Gnd
I/Q Amplitude Imbalance	<1%	Power Requirement	
QAM RF Output Specifications		Voltages	5, 12 VDC
Frequency Range	54 to 860 MHz	Power Consumption per Module	6.5 Watts, and 6 modules, 39 Watts
RF Output Channel	2-135	Operating Temperature Range	0 to 50 °C
Output Level	45 dB minimum	Mechanical	
Output Level Control Range	15dB	Dimensions	2"(W) x 10"(D) x 3.5"(H)
In-band QAM RF Flatness	± 0.5dB	Weight	1.6 lbs
QAM RF Amplitude Flatness	.9 dB maximum (54 to 860 MHz)		
Output Impedance	75 Ohms		
Phase Noise @ 10 KHz Offset	-105 dBc/Hz		
Frequency Stability	±5 KHz		

Ordering Information

PQM Agile QAM Modulator