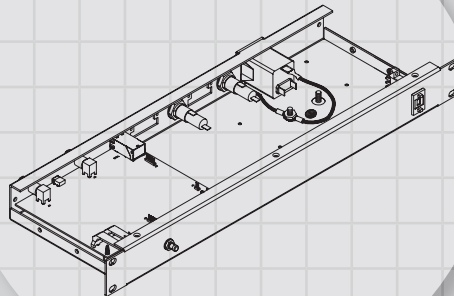
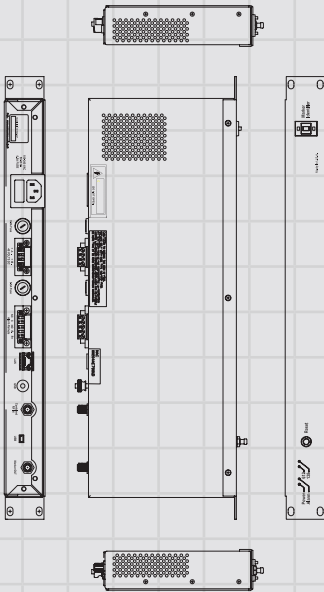
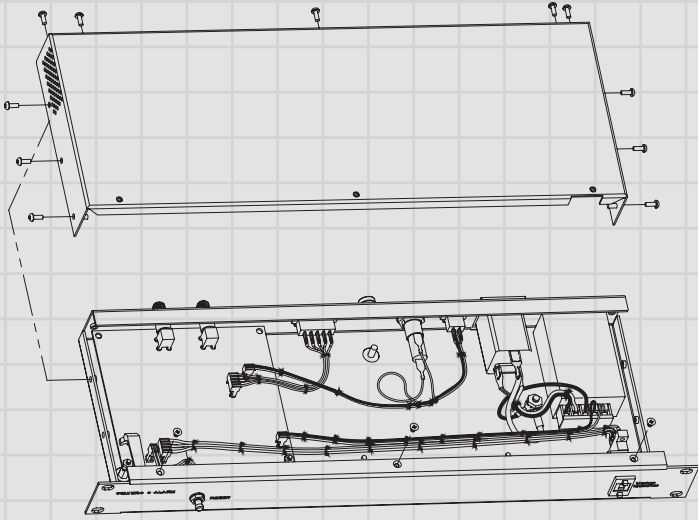


# QAM Marker

ComSonics, an employee owned company, is the global leader in proactive plant maintenance, providing solutions to ensure HFC plant integrity and performance improvement. We offer solutions and simple-to-use tools to improve drop integrity and provide ingress mitigation.

ComSonics' QAM Marker generates a non-interfering marker signal that is inserted into the downstream cable channels.



- unique signal source
- distinguishes leaks in an overbuild area
- typically installed at a headend or hub site
- configurable to support up to three co-located CATV systems
- partners with the remaining QAM product suite to provide a controlled test signal in a cable plant carrying digital QAM signals

## Mechanical

### Connectors

- RF input: type "F"; combined RF input
- RF output: type "F"; marker output
- fault alarm remote access: C, NO, NC, reset
- Phoenix MSTB2, 5/5-STF-5.08

### Indicators

- power applied/on
- fault alarm tripped

### Dimensions

- 1U - 19" rack mount; 16.75"W x 6.75"D x 1.75"H

### Environmental

- AC power: 100 ~ 240 VAC, 50 ~ 60 Hz, < 15 Watts
- DC power: -48VDC, <15 Watts
- operating temperature range
  - » 32°F to +122°F
  - » 0°C to +50°C
- storage temperature range
  - » -20°F to +140°F
  - » -29°C to +60°C
- UL 60950-1: CSA C22.2 No. 60950-1

## Electrical (75 Ω nominal)

Operating Frequency	B1 Option 1: 132.50—140.50 MHz B1 Option 2: 259.00—271.00 MHz  B2: 600.00—1000.00 MHz  Accuracy: ±100 Hz
Marker Output Signal	DSB-SC (Double Sideband Suppressed Carrier)
Marker Spacing	Positions 1-3 for Overbuild
Accuracy	+0, -1.0 dB
Input Range	-20 to +30 dBmV (combined RF containing marker)
Marker Output Level*	-10 to +35 dBmV Carrier Suppression: > 52 dBc Spurious: fc > ±2.0 kHz; -60 dBz

\* referenced to RMS power of adjacent QAMs  
CE Compliant

## ComSonics also offers:



QAM Sniffer



QAM Shadow



Genacis QS



QAM Compass



M3 — Mini  
Mobile Marker