

QAM Modulator Specification

- 1 Interface
 - 1.1 RF Output interface: 75Ω, F-female
 - 1.2 RF Output Return Loss: $\geq 10\text{dB}$
 - 1.3 Test port interface: -20dB 75Ω, F-female
 - 1.4 Output Level: $\geq 110\text{dB}\mu\text{V}$
 - 1.5 Output Level accuracy: $\pm 3\text{dB}$
 - 1.6 Harmonics and Spurious: $\geq -55\text{dBc}$
 - 1.7 Power supply: 100~120Vac, 50/60Hz
 - 1.8 Dimension: 19" rack mountable
- 2 QAM Modulator
 - 2.1 Input interface: 75Ω, BNC female
 - 2.2 Constellation: 16, 32, 64, 128, 256 QAM
 - 2.3 Symbol rate: 3.7-6.9Msps
 - 2.4 Bit rate max.: 54M bit/s
 - 2.5 MER: $\geq 35\text{dB}$
 - 2.6 Compliance: comply with DVB-C and ITU-T J.83Annex A
 - 2.7 Output Frequency: 48~860MHz
 - 2.8 Frequency adjust step: 250KHz
 - 2.9 Output Frequency accuracy: $\leq \pm 10\text{KHz}$
 - 2.10 Modulation bandwidth: 6MHz
 - 2.11 Output Level Attenuation: $\geq 15\text{dBc}$
 - 2.12 TS input packet length: 188 or 204