

Specifications for IFI M75

Power and frequency

- 75 Watts saturated power
- 50 Watts minimum linear power (at 1 dB compression)
- Instantaneous frequency range: 0.01 to 230 MHz

Performance characteristics

- Small signal gain: 49 dB
- Gain control range: > 18 dB
- Bandpass flatness: ± 1.0 dB (at 1 dB compression)
- Nominal harmonics: -30 dBc
- Spurious signals: < -60 dBc
- Input VSWR: 1.5 : 1
- Input Impedance: 50 ohms
- Output Impedance: 50 ohms

Amplifier monitoring and protection

- Unconditionally stable against load mismatches
- AC fuse protection

Cooling

- Fan assisted air cooling
- Input: Type BNC located on front panel; 10 dBm maximum input
- Output: Type BNC located on front panel

Electrical power requirements

- 115 Volts AC
- 50/60 Hz line frequency
- Single phase

Dimensions and weight

- Height: 5.25 in. (14 cm)
- Width: 19 in. (48 cm)
- Depth: 19.5 in. (50 cm)
- Can be mounted in a 19 in. (48 cm) wide rack cabinet
- Weight: 37.5 lbs. (17 kg)

Environmental requirements

- Operating temperature: 32° to 113° F (0° to 45° C)
- Relative humidity (without condensation): 95%
- Maximum altitude: 10,000 ft. (3,048 m)