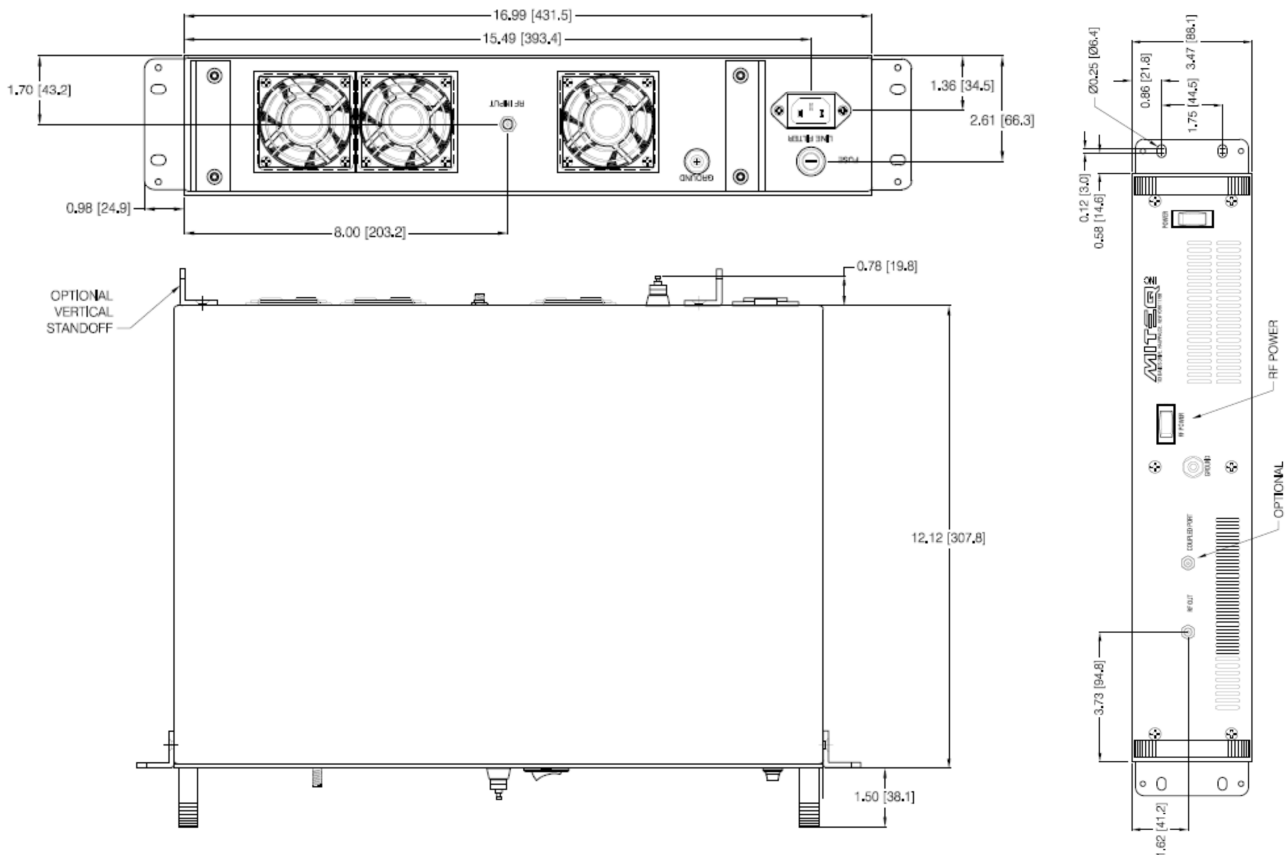


Broadband High Power Amplifier: 5W through 18-26.5 GHz

MITEQ introduces a new addition to its family of broadband high power amplifiers. Model AMF-8B-18002650-70-37P-PS is a self-cooled 3 RU rack-mount high power amplifier, covering 18-26.5 GHz and delivering a minimum of 5W of saturated power. Psat is above 6W in the 19-24 GHz band. P1dB is minimum of 35 dBm typical for the whole band, with IP3 typically 42 dBm. NF is 15 dB at the low end of the band and decreases to 7 dB at the high end.

The SMA connectorized box is 3.47” high, 16.99” wide excluding brackets, and 12.12” deep including fans. This model can be horizontally or vertically mounted. Housing is EMI shielded, CE certified and can operate in ambient temperatures up to 50°C. This Power Amplifier includes over temperature protection in addition to full internal regulation. A 20 dB output coupled port is optional as well as a TTL on/off control pin.

Nominal small-signal gain is 50 dB and Psat is typically 38 ± 1 dBm. Input/output port VSWRs are typically 2:1 or less. This unit runs from 90-240 VAC, 40-400 Hz, with power draw less than 80W with separate RF power switch.



AMF-8B-18002650-70-37P-PS



5W Through 18-26.5 GHz



- 6W Psat Typ
- 3W P1dB Typ
- 42 dBm IP3 Typ
- 50 dB Gain Typ
- 7 dB NF
- 2:1 VSWR Max
- 90-240 VAC
- 80W Typ draw
- 42.8 x 30 x 8.7cm

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