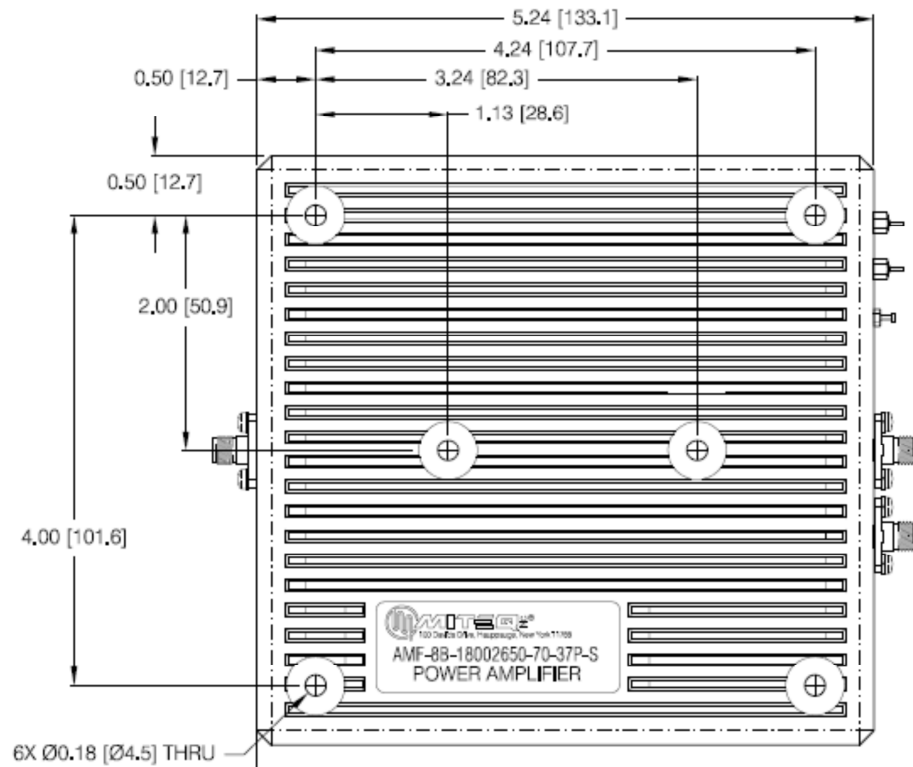


Broadband High Power Module: 5W through 18-26.5 GHz

MITEQ introduces a new addition to its family of broadband high power amplifiers. Model AMF-8B-18002650-70-37P is a plate mounted 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 module has a base of 5" wide and 5.24" long and 2" high including fins on top. Housing is EMI and environmentally shielded, and can operate compliant in baseplate temperatures up to 60°C. PA includes over temperature protection in addition to full internal regulation. A 20dB output coupled port is optional as well as a TTL on/off control pin.

Nominal small-signal gain is 52dB and Psat is typically 38+/-1 dBm. Input/output port VSWRs are typically 2:1 or less. It runs from 12V to 15V and draws a typical of 7A at full power. 48V version is also available and is especially suited for remote or tower-top applications.





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
- 15V (or 48V DC)
- 7A Max
- 12.6 x 13.2 x 5 cm

AMF-8B-18002650-70-37P

