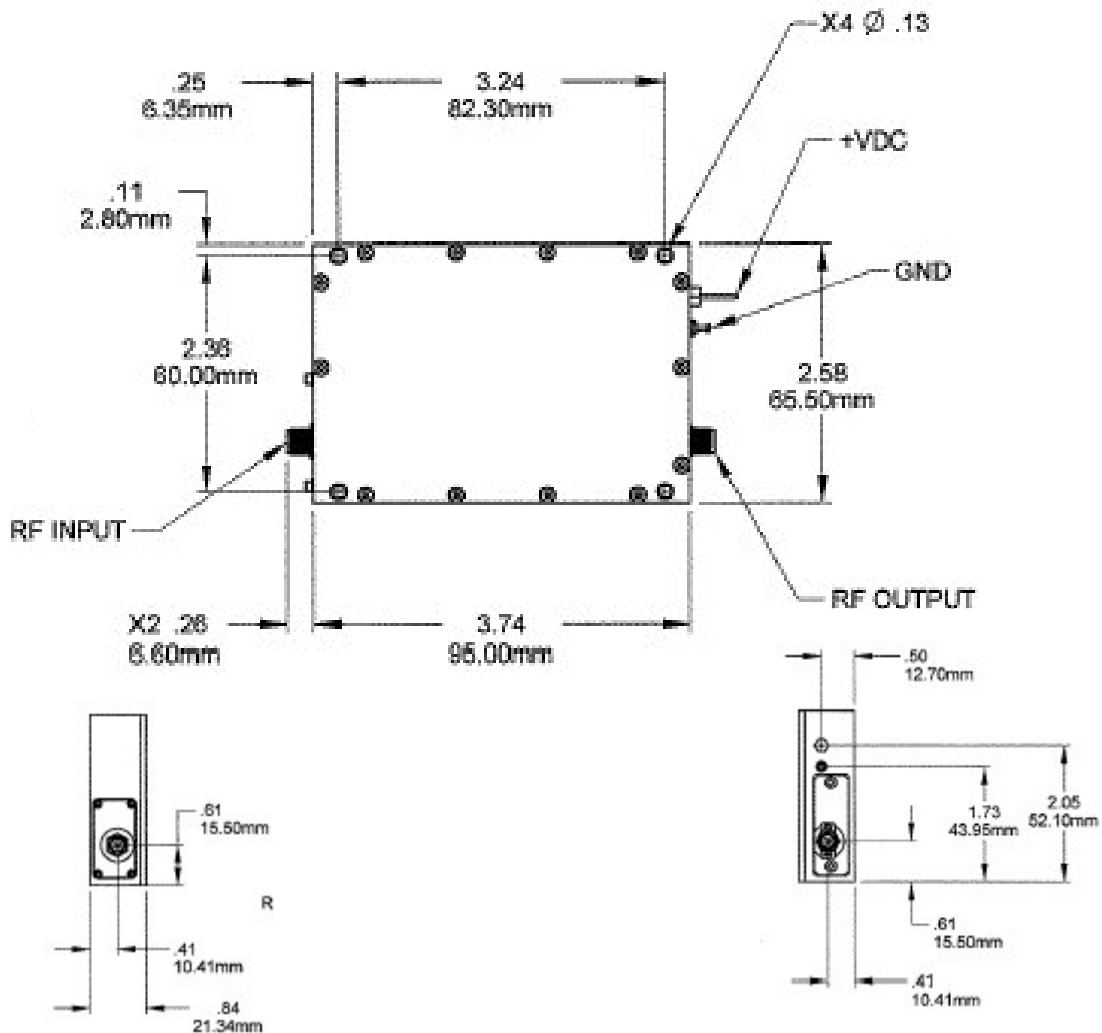


MITEQ INC. introduces a new addition to its family of broad-band high power amplifiers. AMF-2B-08001800-50-35P is a connectorized high power amplifier, covering octave bandwidth from 8-18 GHz and delivering approximately 3W of power and 2.5W from 6-18 GHz. From 10-15 GHz, it delivers about 7W of P1dB. The SMA connectorized Aluminum alloy housing is 21 mm high, 95 mm long and 66 mm wide. It is intended for bolting to a flat cooling surface or fins. Housing is environmentally sealed, EMI shielded and hermetic sealing option is also available. PA includes reverse voltage protection, in addition to full internal regulation. A TTL on/off control pin is optional.

Nominal small-signal gain is 50 dB while noise figure is close to 5 dB across the band. Current draw is nominally 6A at P1dB from +12 to +15 VDC of supply. Output IP3 is a minimum of 44 dBm across the full band, closer to 47 dBm from 10-15 GHz.





8-18 GHz High Power Amplifier



- 3W From 6 to 18 GHz
- 7W From 10 to 15 GHz
- 50 dB gain
- 44 dBm IP3 Min.
- 5 dB NF
- 12-15V DC Supply
- 4A Max
- -10 to 50 C⁰ case
- 95 x 21 x 60 mm

AMF-2B-08001800-50-35P

