

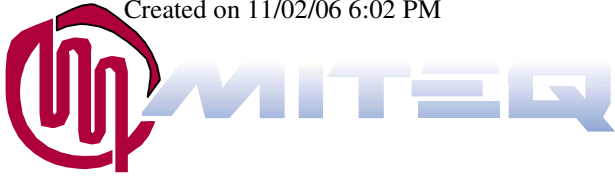
MITEQ INC. introduces a new addition to its family of broad-band high power amplifiers. AMF-3B-02001800-60-30P is a connectorized high power amplifier, covering multi-octave bandwidth from 2-18 GHz and delivering over 1W of power.

Input VSWR is less than 2:1 across the band, while output VSWR is near 3:1 for 2-4 GHz and 2:1 for 4-18 GHz.

P1dB is near 1.5 W from 2-14 GHz, and minimum 1W from 14-18 GHz.

The SMA connectorized Aluminum housing is 21 mm high, 95 mm long and 60 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 37 dB, +/-1.5 dB flat typically, while noise figure is close to 4 dB across the band. Current draw is nominally 2A at P1dB from a single 12 to 15 VDC of supply.



1W 2-18 GHz Power Amplifier



- 1.4W From 2 to 15 GHz
- 1W From 15 to 18 GHz
- 35 dB Gain Min
- +/- 1.5dB
- 4 dB NF Max
- 12-15V DC Supply
- 1.8A Max
- -10 to 50 C⁰ case
- 95 x 21 x 60 mm

AMF-3B-02001800-60-30P

