

MITEQ INC. introduces a new addition to its family of broad-band high power amplifiers. AMF-3B-02002200-10-29P is a connectorized high power amplifier, covering multi-octave bandwidth from 2-22 GHz and delivering over 0.8W 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 4-22 GHz.

P1dB is near 1.5 W from 2-12 GHz, and minimum of 1W from 2-18 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 11.5 dB, better than ± 1.5 dB flat typically, while noise figure is close to 8 dB across the band. Current draw is nominally 2A at P1dB from a single 12 to 15 VDC of supply.



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MITEQ

0.8W 2-22 GHz Power Amplifier



- 1.4W From 2 to 12 GHz
- 1W From 2 to 20 GHz
- 0.8W from 2-22 GHz
- 11 dB Gain Min
- +/- 1.5dB
- 10 dB NF Max
- 12-15V DC Supply
- 2.2A Max
- -10 to 55 C⁰ case
- 95 x 21 x 60 mm

AMF-2B-02002200-100-29P

