

MITEQ INC. introduces a new addition to its family of wide-band high dynamic range amplifiers. AMFK-4D-01000800-85-30P is a connectorized small outline high dynamic range amplifier, covering multi-octave bandwidth from 1 GHz to 8 GHz. The housing is 23 x 18 x 8 mm without the connectors, and heatsink. Amplifier is environmentally sealed and EMI shielded, includes reverse voltage protection, in addition to full internal regulation.

Nominal small-signal gain is a minimum of 28 dB while noise figure is less than 8 dB across the full band. Maximum gain variation is less than +/- 1.5 dB typically over the full frequency and temperature range. Current draw is nominally 1000 mA at P1dB from a single 15 VDC of supply. Minimum P1dB is typically 30 dBm, typically 32 dBm or above for most of the band. Port VSWR is typically less than 2.1:1 for the full band also.



1-8 GHz 1W Power Amplifier



- 1 to 8 GHz
- 28 dB Gain Min
- +/- 1.5 dB Flat
- 30 dBm P1dB
- 8.5 dB NF Max
- 15V DC Supply
- 1000 mA Typ
- VSWR < 2.1:1

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