

MITEQ INC. introduces an updated version to its family of high frequency, 30 GHz band high power amplifiers. AMF-5B-33003500-60-33P is a connectorized high power millimeter wave amplifier/module, covering 33-35 GHz and delivering approximately 2.5W of saturated power and 2W of P1dB over a 2 GHz band. It has slightly better VSWR, NF and power than its predecessor AMF-5B-33003500-80-32P.

Note that there is also a lower gain version, AMF-3B-33003500-90-33P.

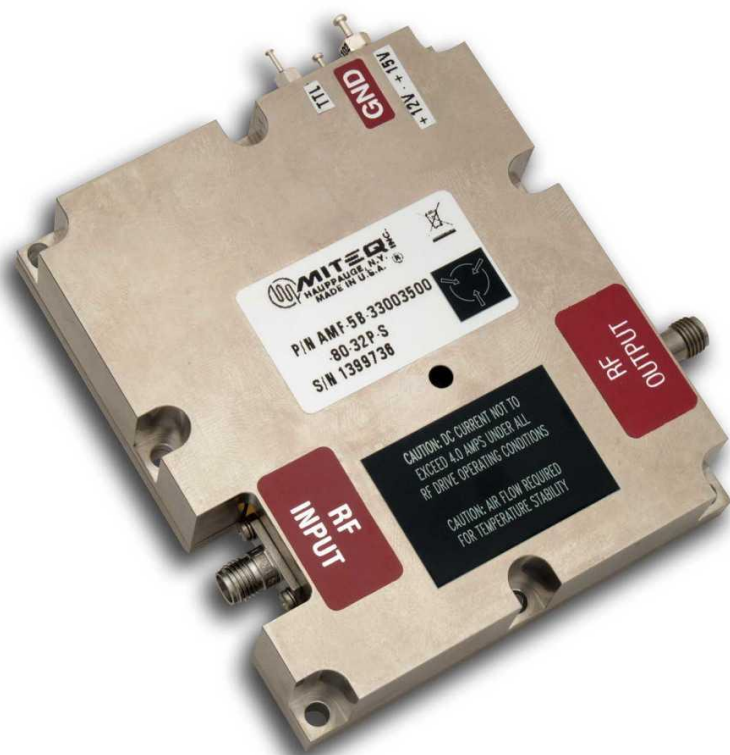
The Aluminum alloy housing is 19 mm high, 76 mm long and 89 mm wide. Connectors are female, K-type. It is intended for bolting to a flat cooling surface.

Small-signal gain is over 42 dB and noise figure is nominally 6 dB. Output VSWR is a maximum of 2.2:1 and input is 2:1 maximum.

Output P1dB is 33 dBm minimum and 34 dBm typical. Current draw is nominally 2.2A at P1dB. This module has an internal regulator and operates from a single 12-15V, it also has reverse voltage and thermal protection. A TTL pin gives control over bias turn on/off. Operating temperature range is 0 °C to +55 °C base plate. Heat sink is optional.



33-35 GHz 2W Power Amplifier



- 33-35 GHz
- 2.5W Psat
- 2W P1dB Min
- 6 dB NF Typ.
- 42 dB Gain Min
- 12-15V DC Supply
- 2.2A Nominal
- 76 x 89 x 20 mm
- TTL on/off

AMF-5B-33003500-60-33P

