Model AHP-34043025-01 is a high power amplifier operating nominally in the 32 to 36 GHz range. It generates a typical 2 watts of linear power over the range and provides over 30 dB of small signal gain. Employing Monolithic-Microwave-Integrated-Circuit (MMIC) technology, the amplifier operates from a single bias supply of +8 Vdc to +12 Vdc with an internal voltage regulator and bias sequencing circuitry, consuming about 2.8 A of DC current under linear operation. The amplifier is ideal for applications such as SATCOM, radars and point-to-point radios.

Features
- High power
- Single DC power supply/internal regulated sequential biasing
- Compact size and light weight

Applications
- Satellite communication
- Point-to-point radios
- Radar front
- Military and space

Specifications
- Frequency: 32 to 36 GHz
- Gain: 25 dB minimum
- Gain flatness: +/- 2.0 dB maximum
- Output P-1dB: 33 dBm typical, 30 dBm minimum
- VSWR: 2:1 typical
- DC Bias: +8 to 12 V/2.5 A typical
- I/O Connectors: K (F)
- Outline: WT-A-2
- Temperature Range: -40 to +70 °C