AHP-37083330-02
33 to 42 GHz 2 Watt Power Amplifier

Description
Model AHP-37083330-02 is a high power amplifier operating nominally in the 33 to 42 GHz range. It generates over 2 watts of saturated 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 2.0 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 communications
• Point-to-point radios
• Radar front
• Military and space

Specifications
- Frequency: 33 to 42 GHz
- Gain: 30 dB minimum
- Gain flatness: 10 dBp-p maximum in 33-41 GHz
- Output Psat: 33 dBm minimum in 33-41 GHz
- VSWR: 2.1 typical
- DC bias: +8 to 12 V/2 A typical
- I/O connectors: WR-22 with UG599/U flange
- Outline: WT-A-11
- Temperature range: -40 to +70 °C

For more information, contact our sales team at 310.513.7200 or rfsales@ducommun.com | All specifications are subject to change without notice.