

AHP-34043025-01

32 to 36 GHz 2 Watt Power Amplifier



Description

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

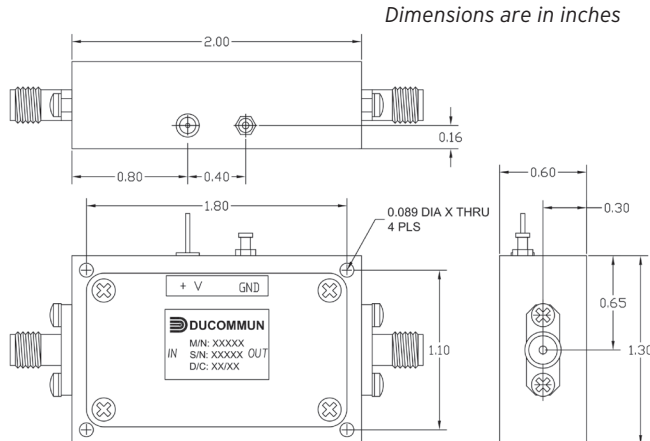
Applications

- 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

Outline



Performance Chart

