

# AHP-34043530-01

## 32 to 36 GHz 3 Watt Power Amplifier



### Description

Model AHP-34043530-01 is a high power amplifier operating nominally in the 32 to 36 GHz range. It generates over 3 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 2.8 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

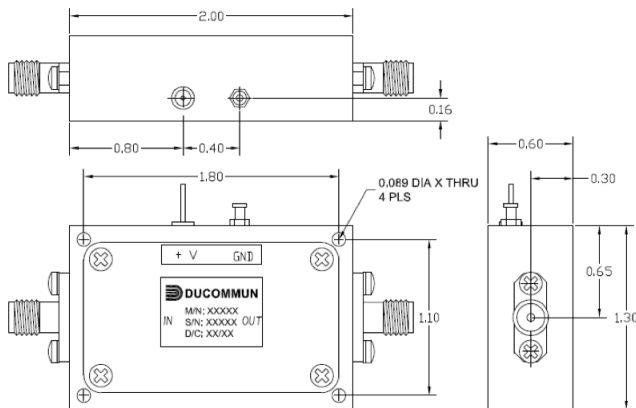
- Satellite communication
- Point-to-point radios
- Radar front
- Military and space

### Specifications

Frequency:	32 to 36 GHz
Gain:	30 dB minimum
Gain flatness:	+/- 2.0 dB maximum
Output Psat:	3.5 W typical, 3 W minimum
Output P-1dB:	34 dBm typical, 33 dBm minimum
VSWR:	2:1 typical
DC Bias:	+8 - 12 V/3 A typical
I/O Connectors:	K (F)
Outline:	WT-A-2
Temperature Range:	-40 to +70 °C

### Outline

Dimensions are in inches



### Performance Chart

