

AHP-34043530-01

32 to 36 GHz 3-W Power Amplifier

Description

Model AHP-34043530-01 is a high power amplifier operating nominally in 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

Specifications

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

Applications

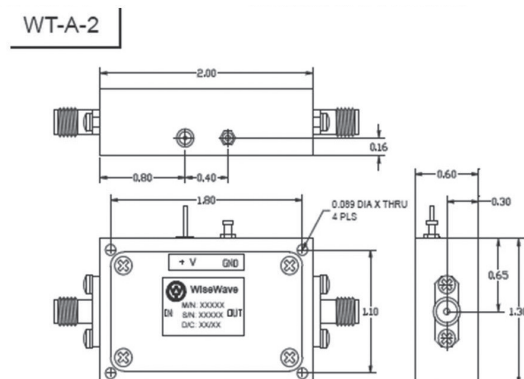
- Satellite communications
- Point-to-point radios
- Radar front
- Military and space

This is a preliminary datasheet. Specs and outline may change in the final offer.



Outline

Dimensions are in inches



Performance Chart

