

AFB-DCKA25GP-01

0.03 - 40 GHz General Purpose Amplifier

Description

Model AFB-DCKA25GP-01 is an ultra wideband general purpose amplifier which covers nearly from DC to L, S, C, X, Ku, K and Ka band. It exhibits a flat gain, better than 6 dB noise and 20 dBm output P-1 dB power across the DC to 40 GHz, being a unique low-noise power amplifier. Employing 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 400 mA of DC current. The amplifier is idea for applications such as test equipment, EW system and fiber optics.

Features

- Ultra broadband amplification
- Low noise/high power
- Single DC power supply/internal regulated sequential biasing

Specifications

Frequency:	0.03 to 40 GHz
Gain:	25 dB (Min)
Gain flatness:	+/- 2.5 dB (Max)
Noise figure:	6.0 dB (Max)
Output P-1dB:	20 dBm (Min)
VSWR:	2:1 (Typ)
DC Bias:	+8 - 12 V/0.4 A (Typ)
I/O connectors:	K (F)
Outline:	WT-A-2
Temperature range:	-40 to +70°C

Applications

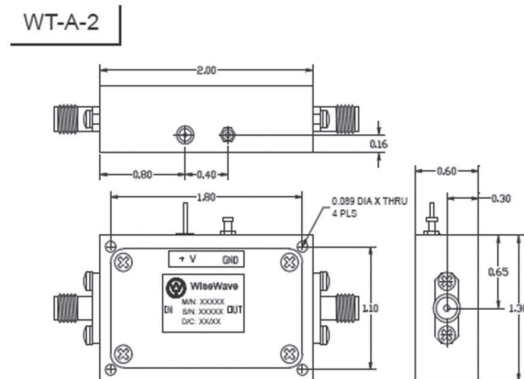
- Test instrumentation
- EW systems
- Fiber optics
- Military and space

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



Outline

Dimensions are in inches



Performance Chart

