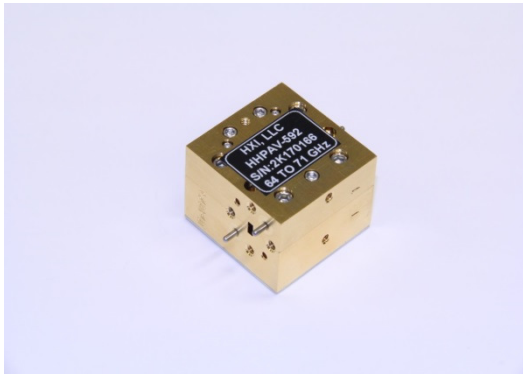


64 to 71 GHz Power Amplifier HHPAV-592

APPLICATIONS



- 5G, Unlicensed Usage
- Point-to-Point Radios
- Radar Transmitters
- 5G and WiGig Development & Test Equipment

The HHPAV-592 Power Amplifier covers the frequency range from 64 to 71 GHz. MMIC technology is employed for high reliability and repeatability. The amplifier package provides WR-15 waveguide interfaces in an in-line configuration using the standard UG-385/U flange. The amplifier can be used in transmitters for communication and radar systems and also for amplification in test equipment. The power amplifier contains a voltage regulator and bias sequencing circuitry allowing the use of a single bias to power the amplifier.

TECHNICAL SPECIFICATIONS

Parameter	Specification
Frequency Range	64.0 to 71.0 GHz
Noise Figure	5.3 dB typical
Small Signal Gain	30 dB minimum 32 dB typical
P1dB	+18 dBm typical
Input Return Loss	10 dB typical
Output Return Loss	15 dB typical
Maximum Input Power	-5 dBm without damage
DC Bias	+6 VDC @ 450 mA typical
RF Interfaces	WR-15 waveguide, UG-385/U flanges
Size	1.31" L X 1.34" W x 0.97" H
Surface Finish	Gold Plate

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