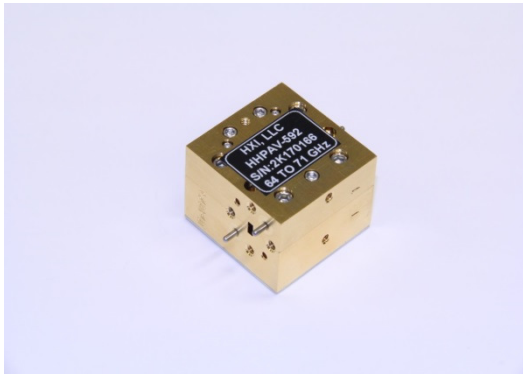


## 64 to 71 GHz Power Amplifier HHPAV-592

### 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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