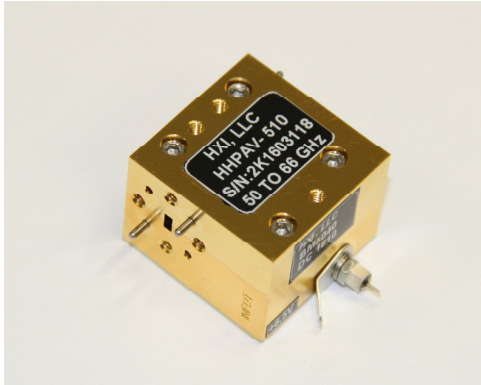


Model HHPAV-510 50 to 66 GHz Power Amplifier

APPLICATIONS



- Point-to-Point Radios
- Radar Transmitters
- WiGig Development & Test Equipment

The HHPAV-510 Power Amplifier covers the frequency range from 50 to 66 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	50.0 to 66.0 GHz
Small Signal Gain	34 dB typical
P1dB	+14 dBm minimum, +16 dBm typical
Input Return Loss	7 dB typical
Output Return Loss	13 dB typical
Maximum Input Power	-12 dBm without damage
DC Bias	+6 VDC @ 400 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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