

High Power Amplifier Assemblies

Aethercomm designs and manufactures high power amplifier assemblies for military communication systems to transmit voice, data and video. Our high power assemblies are also used by wireless customers and for industrial applications. The assemblies listed on this page are custom in nature and typically deliver several hundred watts to 10,000 watts of RF energy. Aethercomm offers high power amplifier assemblies from 10 MHz to 40 GHz.

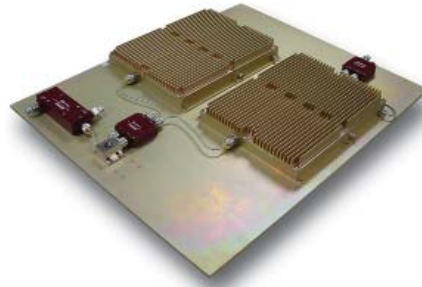
High power amplifier assembly custom features include:

- externally combined, phase- and amplitude-matched RF high power modules
- 19" rack-mounted assemblies, aluminum plate mounting or other packaging as requested
- heat sinking via natural convection, forced-air or liquid cooling to maintain a high MTBF
- other high performance options upon request

If you do not see the product you need in the standard offerings listed below, please contact the factory with your specific requirements. Aethercomm will design and manufacture your custom assembly at production unit costs and on a competitive delivery schedule.

All data presented is at room temperature. Visit www.aethercomm.com for a complete list of datasheets.

SSPA 1.02-1.15-1000



- Operation from 1.02 GHz to 1.15 GHz min
- Expandable to 960 MHz to 1220 MHz min
- 1000 watts peak output power min
- 60 dB gain typ
- High directivity directional coupler for forward and reflected power

SSPA 0.96-1.22-2000



- Operation from 960 MHz to 1220 MHz min
- 2000 watts output power typ
- 60 dB gain typ
- Transmits a compliant LINK 16 waveform
- Operates from shipborne power