

Microwave Power Module

dB Control Inc.



The dB-4127 is a microwave power module (MPM) operating in the frequency range of 6 to 18 GHz. This MPM is a power amplifier that provides 200W pulsed/CW RF output power. The RF signal path consists of a solid-state amplifier and a vacuum power booster. The power supply topology uses proprietary low-noise, high-efficiency designs to operate the RF signal path. A high-speed modulator is incorporated for pulse modulation of up to 10 KHz to CW. This compact, conduction-cooled MPM is designed to operate in extreme military environments. Applications include electronic countermeasures (ECM), electronic warfare (EW) simulation, and multi-band communication systems.