COMTECH PST proudly introduces the latest Gallium Nitride (GaN) solid state RF amplifier that supports amplification of complex signals over the frequency band of 20-6000MHz. Three independent amplifiers are housed in a rugged military enclosure that allows for integration onto vehicle and airborne platforms. Each independent amplifier band can be operated simultaneously and in addition, each band contains a multimode digital ALC board that supports FM/CW, AM, and multi-tone signal characteristics. A key feature of the digital ALC is a soft start that eliminates pulse overshoot during RF turn-on and pulse modulation. The mechanical enclosure includes a heat sink and cooling fans enabling simultaneous operation of all three bands at altitudes of 20,000 feet and ambient temperature of -40° to +50° degrees C. The robust mechanical package includes protection against moisture and supports operation in an environment of 0-100% humidity with condensation. The size of the enclosure (including connectors) is 26”x19”x8.5” and weighs less than 140 pounds. The amplifier system is well suited for Electronic Warfare, including Jamming & Electronic Attack and secure communication applications where size, weight and power are critical.