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## X Band Radar Module for Longer Range

Empower RF announces a high-performance X band pulsed module designed for new Radar applications where portability and extended range are key requirements. Operating from 9 to 10GHz, Empower's 1222 provides over 250W peak in a compact pulse module featuring pulse widths up to 500  $\mu$ sec and 20% duty cycles.

The 1222 module utilizes 48V GaN on SiC devices and is lightweight, highly reliable and rugged. Enable/Disable time is fast at less than 250ns. Gain Settings are Digital or Analog.

**Built in protections with alarm include:**

- Over Temp
- Over Voltage
- Reverse Polarity
- Over Current
- Temperature Reporting
- Current Reporting

Learn More About This Product:

[https://www.empowerrf.com/products/display\\_amplifier.php?sku=1222](https://www.empowerrf.com/products/display_amplifier.php?sku=1222)

Download datasheet:

[https://www.empowerrf.com/datasheet/Empower\\_RF\\_Amplifier\\_1222.pdf](https://www.empowerrf.com/datasheet/Empower_RF_Amplifier_1222.pdf)

Complete Empower RF Amplifiers lineup:

[http://www.empowerrf.com/products/rf\\_power\\_amplifier.php](http://www.empowerrf.com/products/rf_power_amplifier.php)



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*Empower RF Systems is the technology leader in high power amplifier solutions for reliable communications, defense, and industrial applications. Our products incorporate the latest semiconductor and power combining technologies and originate from an extensive library of “building block” designs. Solutions range from basic modules to multifunction PA assemblies with embedded real time microprocessor control.*

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