WattUp® EN3913M Power Amplifier

Wireless GaN power amplifier module enables WattUp wireless RF/antenna-based charging

EN3913M is a highly efficient, 2-stage GaN power amplifier module that delivers up to 40dBm of output power. Along with the DA4100 transmitter IC and EN3921 GaN power amplifier controller, they charge WattUp-enabled receivers. WattUp receiver technology may be integrated into various devices such as fitness trackers, hearables and wearables, smartphones, tablets, power tools, and other high-power devices.

WattUp EN3913M Wireless Power Amplifier Block Diagram
WattUp System Block Diagram

Applications
- Wearables
- Fitness Tracker
- Hearables
- Mobile Phones
- Tablets
- Power Tools
- Industrial Applications

Key Benefits
- RF/antenna-based solution
- Smaller antenna area than coil-based designs
- Improved spatial and orientation freedom
- Eliminates connectors and charging contacts
- Enables fully sealed waterproof design

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