P9235A-R Wireless Power Transmitter for ≤3W Applications

FEATURES AND BENEFITS

• Targeted for ≤3W applications
• V_in range: 4.5 to 5.5 V
• 80% Efficiency with P9027LP-R receiver
• Supports three coil sizes
• Low power standby and sleep mode
• Programmable current limit
• 500 mm² PCB active area
• Supports I²C communication
• -40 to +85°C temperature range
• 40-VFQFPN package

High-Efficiency, Wireless Power Transmitter for ≤3W Power Applications

The P9235A-R is a 3W, magnetic induction wireless power transmitter IC supporting up to three different coil sizes targeted for ≤3W power applications. The product is designed to withstand a wide input voltage range of 4.5 to 5.5 V while consuming only 1mA of current in the standby mode.

The transmitter includes 32-bit ARM® Cortex®-M0 processor, full bridge power stage drivers and on-chip simultaneous voltage and current demodulation. The device supports read-back of voltage, current and fault conditions. The P9235A-R is available in a 40-VFQFPN package (5 × 5 mm), and it is rated for -40 to +85°C temperature range.

The P9235A-R with the P9027LP-R receiver make a complete solution for ≤3W power applications.

To request samples, download documentation, or learn more, visit: idt.com/P9235A-R