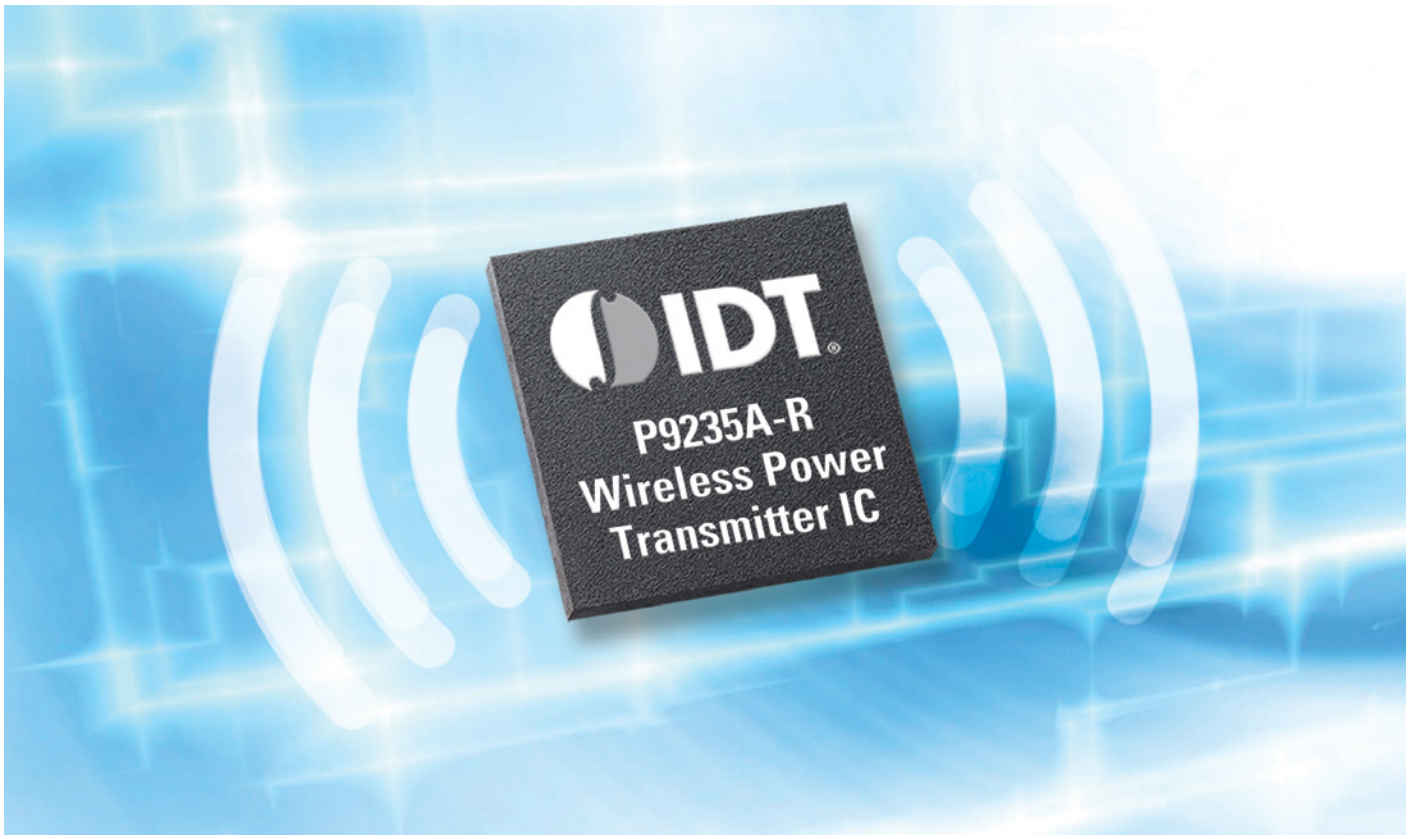
Integrated Device Technology

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

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

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.