



## Wireless Charging Control LSI Line Extension Qi Compatible, Wireless Power IC



### Qi Compatible Wireless Charging LSI with a 70% Conversion Efficiency!

Panasonic, a worldwide leader in Semiconductor Products, introduces the expansion of the **Wireless Charging Control LSI**. New to the line is the **NN32251A-VT** Transmitter LSI that includes both an MCU and an analog controller in one package. This integrated package lessens the need for external components, saving board space. Panasonic's wireless power control ICs support all equipment conforming to WPC 1.1 (Qi standard) of the Wireless Power Consortium, including DSC, DVC, portable audio, cellphone, and smartphone devices. When used together, the **NN32251A-VT** transmitter and **AN32258A-PR** receiver achieve a high-efficiency energy conversion over 70% as a Qi standard charger. Low power consumption contributes to lower heat generation for a maximum operating power of 5W (WPC specification). Also available now is a new evaluation board for the **NN32251A-VT** transmitter, part number **NN32251A-EVB-0**. This evaluation board comes complete with a coil to assist in testing wireless charging applications.

#### Features

- High Efficiency Charging
- Less External Components Needed
- FOD Adjustment with External Resistor (AN32258A-PR)
- Low  $R_{ON}$  FETs (AN32258A-PR)
- RoHS Compliant

#### Benefits

- Easy Qi Certification
- Easily Adjust FOD for Various Coils (AN32258A-PR)
- High Conversion Rate Over 70% (Qi Std. Charger)
- Low Power Consumption and Low Heat Generation

#### Industries

- Mobile Electronics
- Consumer Electronics
- Medical

#### Applications

- Cell Phone, Tablets
- Digital Cameras, Wearable Tech
- Thermometer, Active Mass Meter

#### Part Number Information

##### Transmitter

N N 3 2 2 5 1 A - V T

##### Receiver

A N 3 2 2 5 8 A - P R

#### Additional Information

For detailed specification information on the **Wireless Charging Control LSI**, visit our website at:

<http://us.panasonic.com/industrial/electronic-components/semiconductor/>