

Separate Sheet

Product Specifications of the wireless charging system solution

Specification of power receiver IC, the “RAA457100”

Item	Specification
Parts number	RAA457100
Input voltage	Max.18 V
Operating temperature	-20°C - +50°C
Functions	<ul style="list-style-type: none"> • Synchronous rectification • Charging control (Charge control voltage 4.05 V, 4.2 V, 4.35 V selectable, Fast charging current setting max. 70 mA) • DC power supply to application • Battery Protection • Monitoring by 12 bit AD convertor DC/DC converter (1.2 V, 1.5 V, 1.8 V, 3.0 V selectable) I2C I/F
Package	41-pin WLPGA (3.22mm (L) x 2.77mm (W) x 0.70mm (H), 0.4mm pitch)

Specification of power transmitter IC, the “RAA458100”

Item	Specification
Parts number	RAA458100
Input voltage	4.4 V - 5.25 V
Operating temperature	-20 °C - +60°C
Functions	<ul style="list-style-type: none"> • Half bridge or Full bridge selectable • Transmitting power control • I2C I/F • Over current protection for bridge circuit • 2 Thermistors for temperature
Package	40-pin UQFN (5.0mm (L) x 5.0mm (W) x 0.65mm (H), 0.4mm pitch)

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