

**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"> <li>• Synchronous rectification</li> <li>• Charging control (Charge control voltage 4.05 V, 4.2 V, 4.35 V selectable, Fast charging current setting max. 70 mA)</li> <li>• DC power supply to application</li> <li>• Battery Protection</li> <li>• Monitoring by 12 bit AD convertor</li> </ul> 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"> <li>• Half bridge or Full bridge selectable</li> <li>• Transmitting power control</li> <li>• I2C I/F</li> <li>• Over current protection for bridge circuit</li> <li>• 2 Thermistors for temperature</li> </ul>
Package	40-pin UQFN (5.0mm (L) x 5.0mm (W) x 0.65mm (H), 0.4mm pitch)

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