



FEATURES



- Designed and optimized for resonant charging, but can support both magnetic coupling and resonant wireless charging concurrently
- Available in solid ferrite
- High permeability, high Q low loss for resonant charging@6.78MHz
- Wide operating temperature -40°C to 125°C
- Length and width up to 53x53mm
- Wide range of thickness selection from 1mm to 5mm

APPLICATIONS

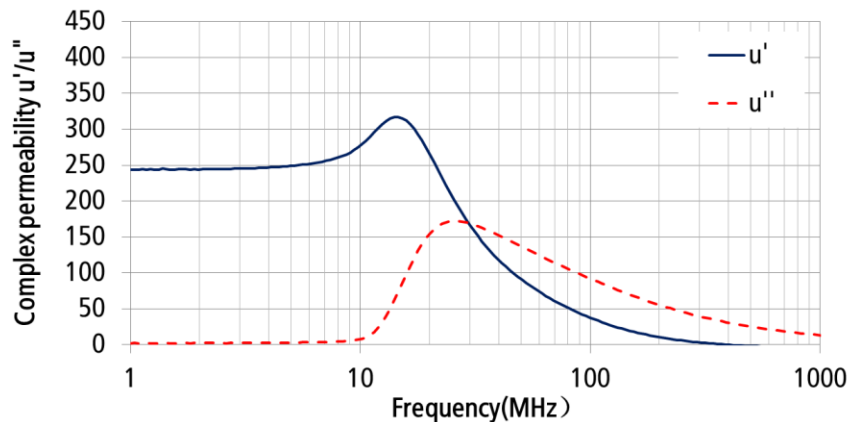
- A4WP or resonant type wireless charger
- WPC and A4WP combo wireless charger for both short distance and long distance charging
- Wireless charger for office ,residential, public area, industrial and automotive applications

MATERIAL SPECIFICATIONS

Property	Symbol	Unit	Value
Real permeability @ 6.78MHz	μ'		250±25%
Imaginary permeability @ 6.78MHz	μ''		10 Max
Flux Density	B	mT [Gauss]	390 [3900]
@ Field Strength	H	A/m [Oe]	1200 [15]
Residual Field Strength	B_r	mT [Gauss]	280 [2800]
Coercive Strength	H_c	A/m [Oe]	100 [1.25]
Curie Temperature	T_c	°C	> 200
Resistivity	ρ	Ω -cm	10^7

TYPICAL ELECTRICAL CHARACTERISTICS

Complex permeability vs. Frequency



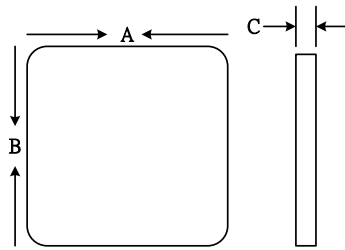
USA: +1.423.308.1690
Europe: +42.0.4885.7511.1
Asia: +86.757.2563.8860

MCP-DS-RP FERRITE PLATES 072716

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DIMENSIONS

PART NUMBER	A mm (inches)	B mm (inches)	C mm (inches)
RP2106-0M0	53.00 (2.087)	53.00 (2.087)	2.50 (0.099)



Remark:

1. Standard part dimension is 53x53x2.5mm
2. Customized design with different size or shape is available upon request

PART NUMBER SYSTEM EXAMPLE

RP	2106	-	0M0
Material Code	Part Size Code		Standard or Custom Information

USA: +1.423.308.1690
Europe: +42.0.4885.7511.1
Asia: +86.757.2563.8860

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