



FEATURES



- Metal alloy sheets for wireless charging application
- Made by thin, high flux density metal alloy with PET film and adhesive tape. Magnetic saturation up to 650mT at 100KHz. Permeability is maintained at 600 to 800 level.
- Standard metal alloy layers including 2 layers, 3 layers and 4 layers
- Operating temperature -40°C to 85°C
- RoHS compliant

APPLICATIONS

- Best for higher power transfer and system with permanent magnet
- Wireless charging for mobile phones
- Wireless charging for Wearables
- Battery powered handheld electronic device

SHAPES AND DIMENSIONS

PART NUMBER	A mm (inches)	B mm (inches)	C mm (inches)	Metal Alloy Layers
WJ10050-100	100 (3.937)	50 (1.969)	0.155 (0.006)	Figure 1
WJ10050-200	100 (3.937)	50 (1.969)	0.120 (0.005)	Figure 2
WJ10050-300	100 (3.937)	50 (1.969)	0.085 (0.003)	Figure 3

Figure 1 (4 metal alloy layers) :

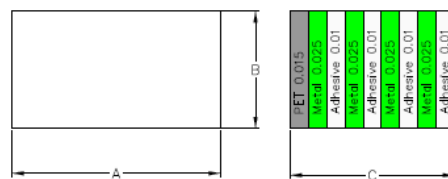


Figure 2 (3 metal alloy layers) :

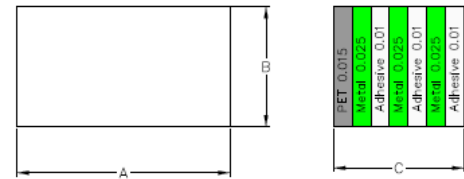
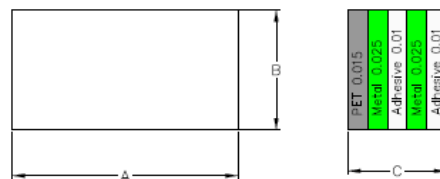


Figure 3 (2 metal alloy layers) :



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MCP-DS-WJ SHEET 1015

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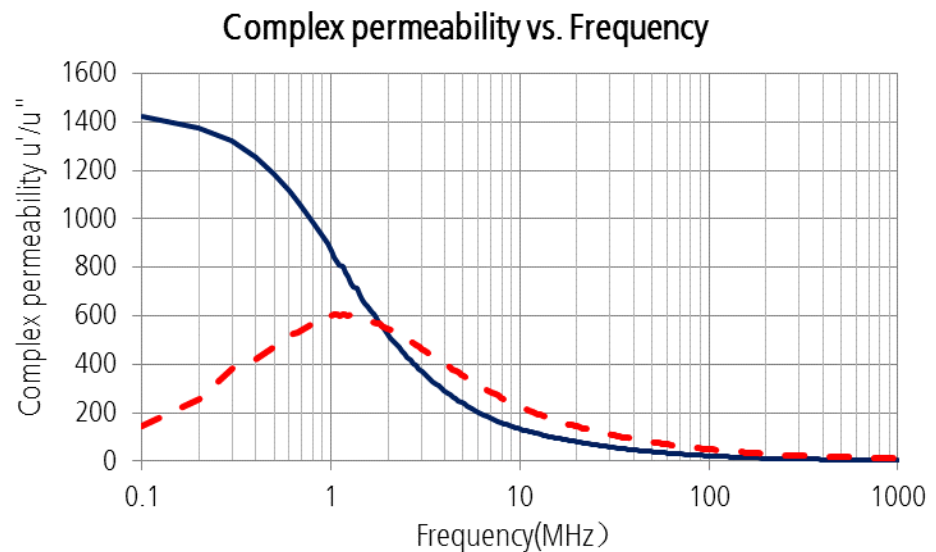
PART NUMBER SYSTEM EXAMPLE

WJ	10050	-	100
Material Code	Part Size Code		Thickness Code
			Catalog or Custom Information

MATERIAL SPECIFICATIONS

Property	WJ Series
Real Permeability, μ' @1MHz	850 \pm 20%
Operating Temperature, °C	-40°C ~ +85°C

TYPICAL ELECTRICAL CHARACTERISTICS



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