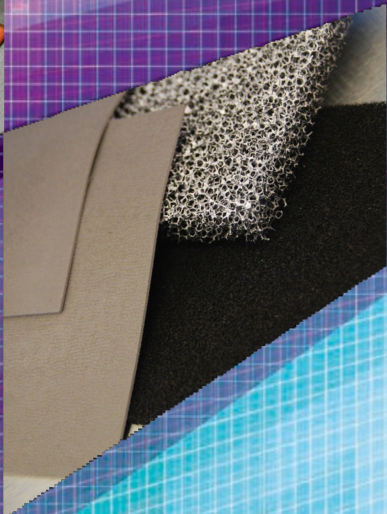
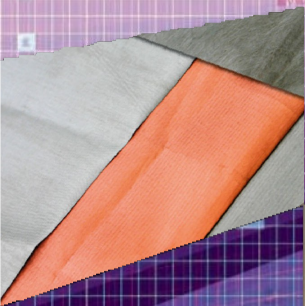
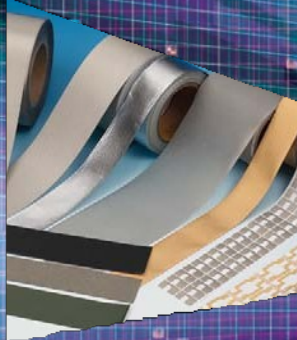
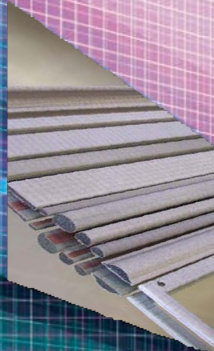
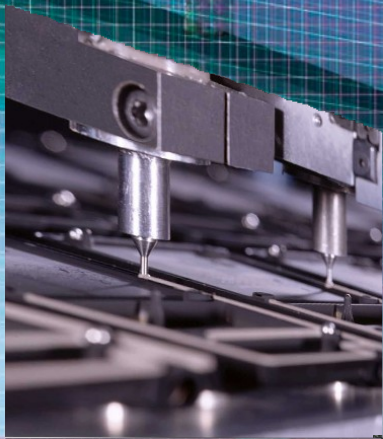


RCS

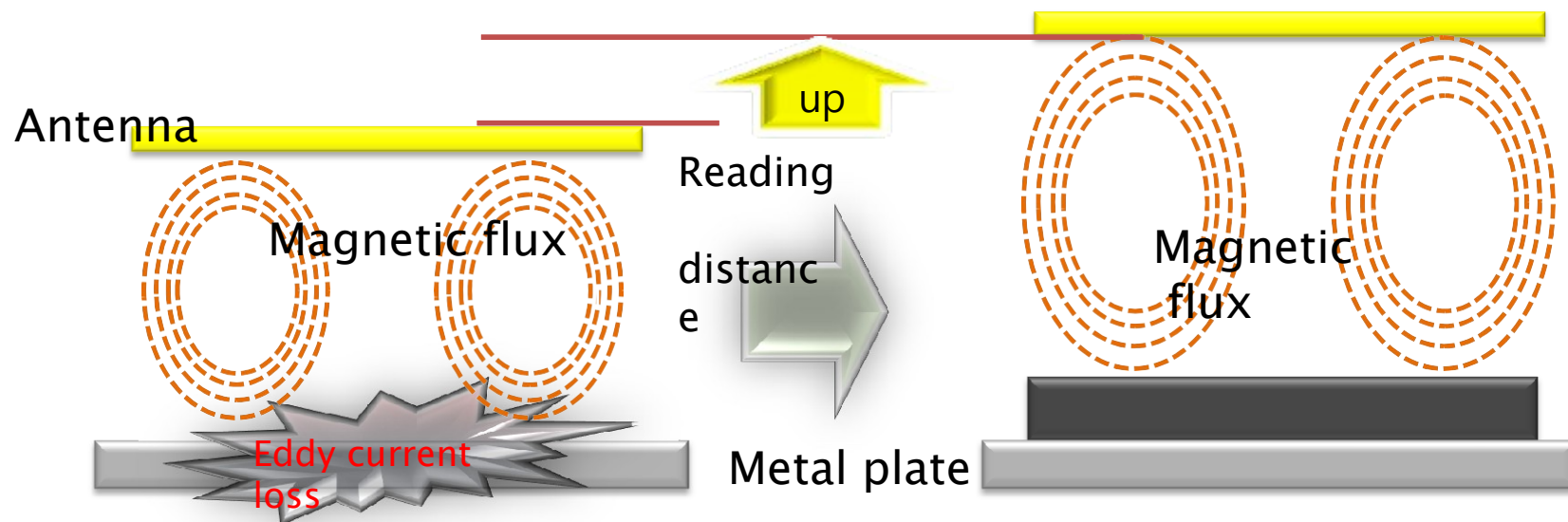
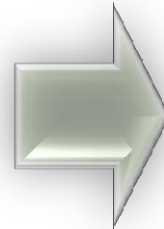
EMI/EMC/THERMAL SOLUTIONS



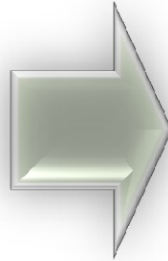
RCS FERRITE SHEET Introduction

1. Introduction to NFC and WPC
2. Structure & Specifications
3. Capability & Process

Introduction to Near Field Communication (NFC)



Introduction to Wireless Power Consortium (WPC)

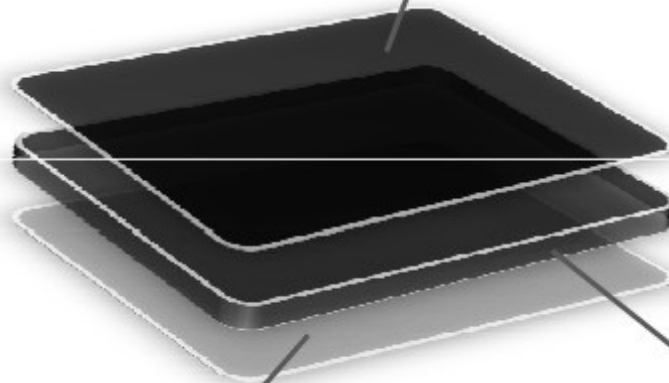


Structure



Cover layer

- Surface : Shining or Anti-Shinning
- Color : Black, White, Red...
- Thickness : 10 μm ~



Adhesive layer

- Thickness : 10 μm ~

Ferrite sheet layer

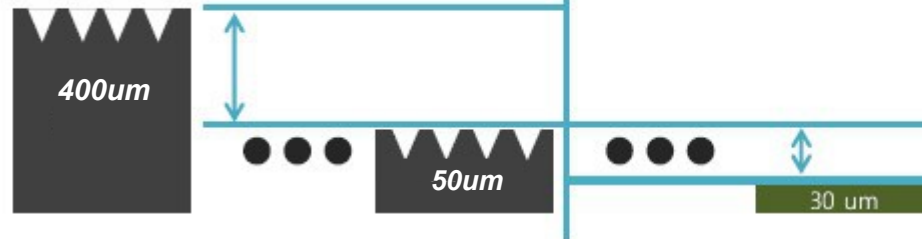
- N type



- X type



- Thickness control

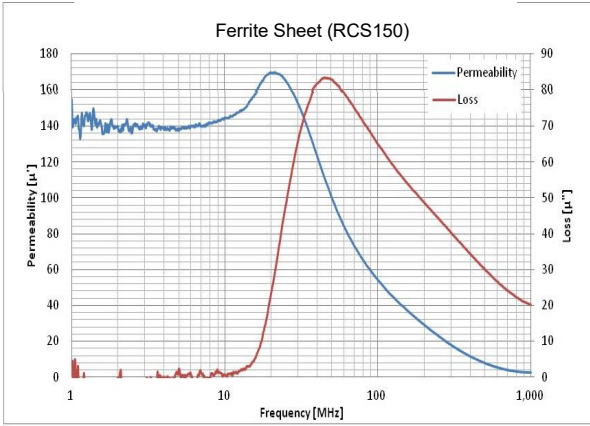
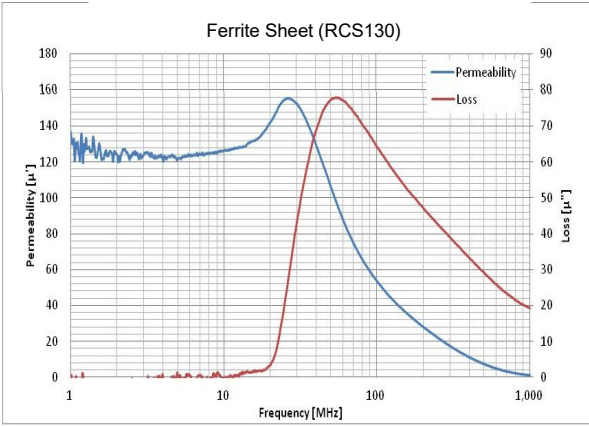
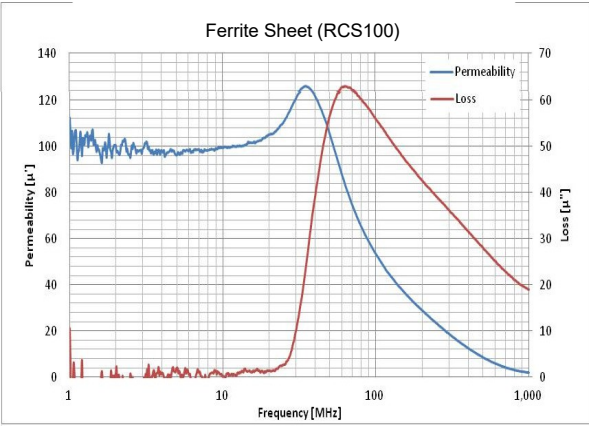


- Dimension control



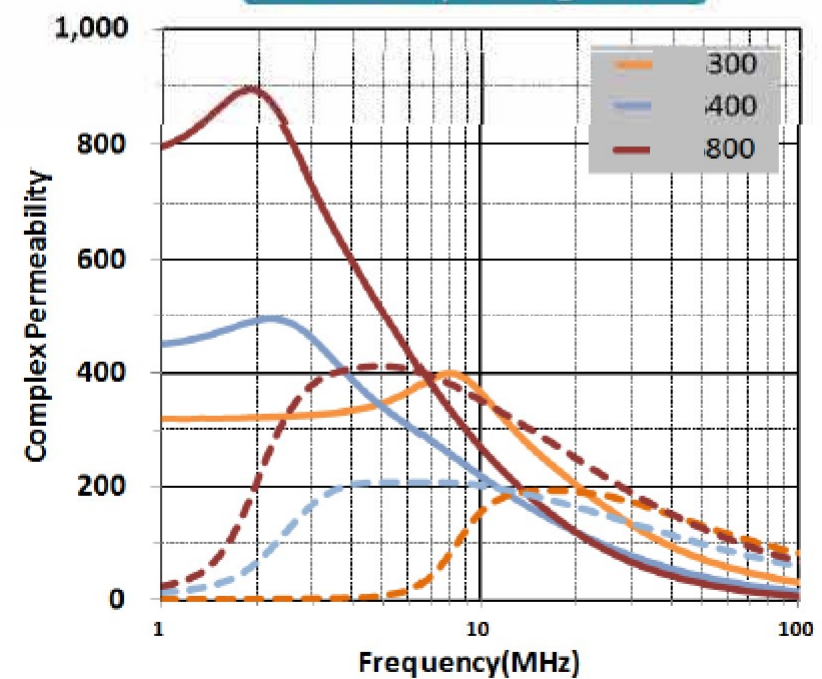
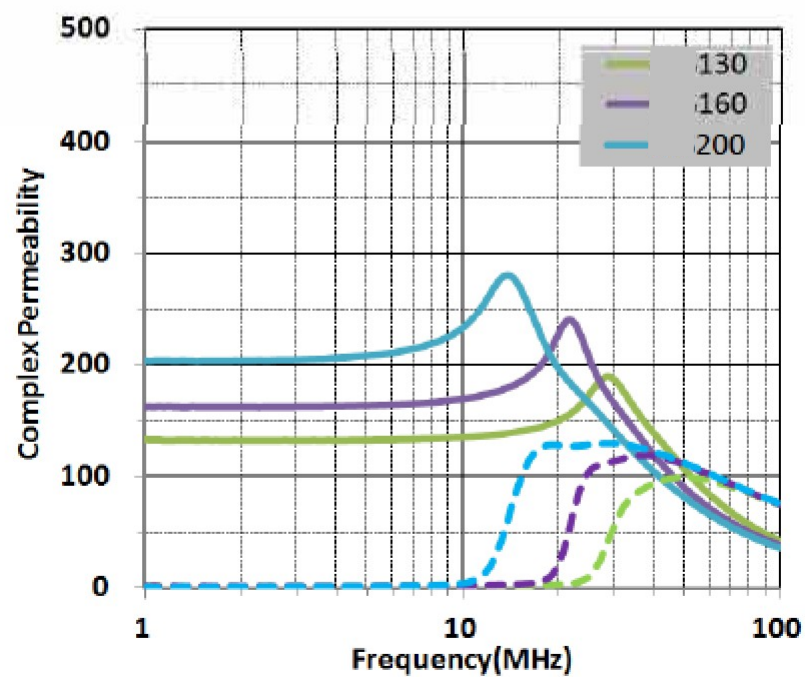
Electrical Characteristics of Ferrite Sheet for NFC

Characteristics	RCS100	RCS130	RCS150	Remark
μ' @13.56MHz	100±20%	130±20%	150±20%	
μ'' @13.56MHz	Max 2.0	Max 3.0	Max 4.0	Ref. value
Peak Frequency [MHz]	Min. 30	Min. 23	Min. 20	Ref. value



		RCS-A Series for Wireless Power Charging					
		RCS-A 130	RCS-A 160	RCS-A 200	RCS-A 300	RCS-A 400	RCS-A 800
Permeability (Sintered Body, @1 MHz)	μ'	130($\pm 20\%$)	160($\pm 20\%$)	200($\pm 20\%$)	300($\pm 20\%$)	400($\pm 20\%$)	800($\pm 20\%$)
	μ''	~ 1	~ 1	~ 1	~ 3	~ 15	~ 25
	loss	Under 0.01			Under 0.04		
Developed level		Mass Product			Proto type		

RCS'S Special Grade



Process

