

# Flexible Ferrite Sheets For NFC & Wireless Charging MSLL Series



## FEATURES



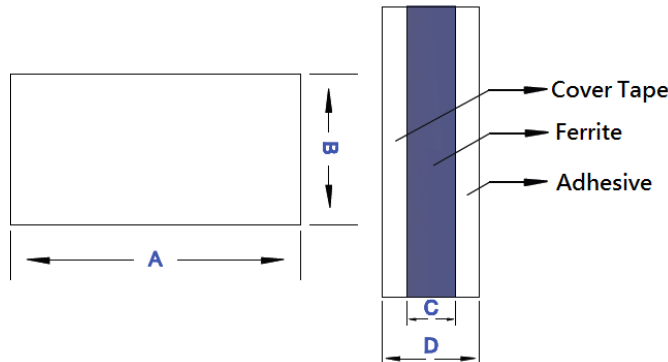
- Flexible ferrite sheets for 13.56 MHz NFC, RFID application & wireless charging application
- Made by thin, high permeability sintered ferrite with PET film and adhesive tape
- Standard ferrite layer thickness 0.05mm, 0.1mm and 0.2mm
- Custom size or thickness available upon request
- Operating temperature -40°C to 85°C
- RoHS compliant

## APPLICATIONS

- NFC antenna for mobile phones
- NFC antenna for automobile
- NFC or RFID antenna for security & access control system
- Wireless charging for mobile phones and battery powered handheld electronic devices
- NFC or RFID read/write devices, improved read distance
- EMI suppression for IC or IC circuitry

## SHAPES AND DIMENSIONS

PART NUMBER	A mm (inches)	B mm (inches)	C mm (inches)	D mm MAX (inches)
MSLL5040-000	50 (1.969)	40 (1.575)	0.20 (0.008)	0.35 (0.014)
MSLL5040-200	50 (1.969)	40 (1.575)	0.10 (0.004)	0.20 (0.008)
MSLL6060-300	60 (2.362)	60 (2.362)	0.05 (0.002)	0.09 (0.004)
MSLL12060-000	120 (4.724)	60 (2.362)	0.20 (0.008)	0.35 (0.014)
MSLL12060-200	120 (4.724)	60 (2.362)	0.10 (0.004)	0.20 (0.008)



## PART NUMBER SYSTEM EXAMPLE

MSLL	12060	-	000
Material Code	Part Size Code		Thickness Code Catalog or Custom Information

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

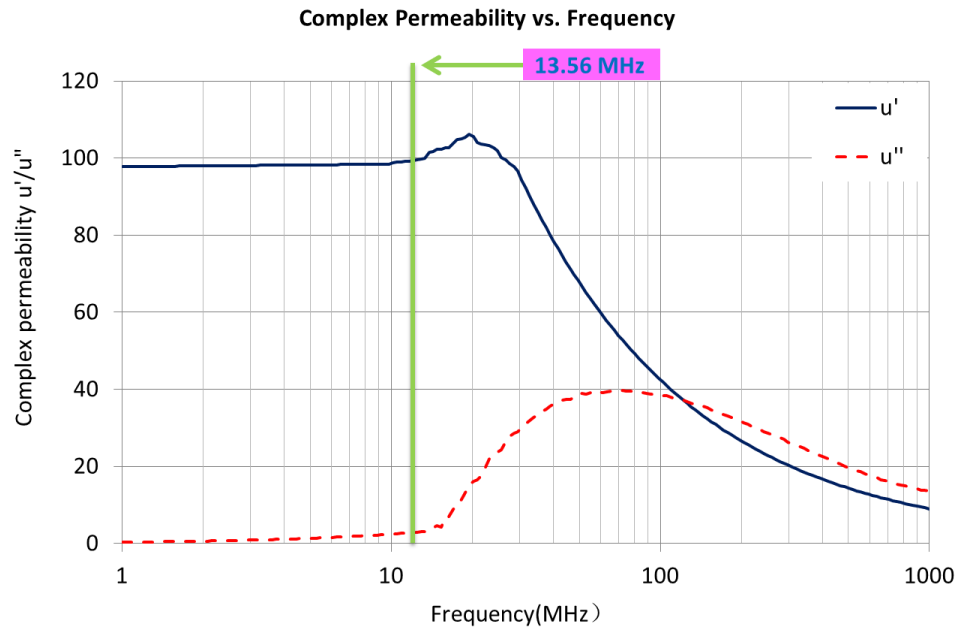
MCP-DS-MSLL SHEET 0814

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## MATERIAL SPECIFICATIONS

Property	MSLL Series
Real Permeability, $\mu'$ @13.56MHz, 0.1V	100 $\pm$ 20%
Imaginary Permeability, $\mu''$ @13.56MHz, 0.1V	5 max
Operating Temperature, °C	-40°C ~ +85°C

## TYPICAL ELECTRICAL CHARACTERISTICS



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