Laird

Smart Technology. Delivered.

Flexible Ferrite Sheets For NFC & Wireless Charging

MHLL Series



FEATURES

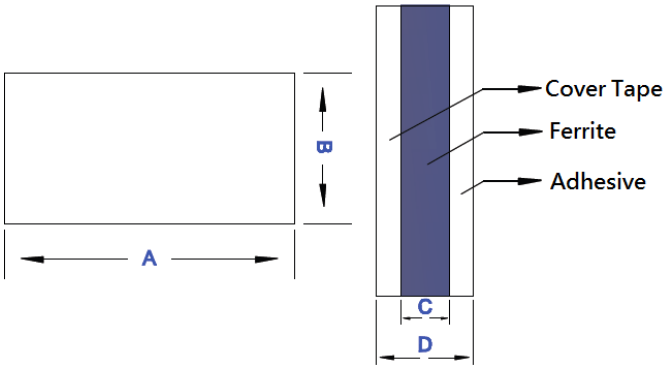
- Flexible ferrite sheets for 13.56 MHz NFC, RFID application & wireless charging application
- Made by thin, high permeability sintered ferrite with PET film and adhesive tape
- Standard ferrite layer thickness 0.05mm,0.1mm and 0.2mm
- Custom size or thickness available upon request
- Operating temperature -40℃ to 85℃
- 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)
MHLL5040-000	50 (1.969)	40 (1.575)	0.20 (0.008)	0.35 (0.014)
MHLL5040-200	50 (1.969)	40 (1.575)	0.10 (0.004)	0.20 (0.008)
MHLL6060-300	60 (2.362)	60 (2.362)	0.05 (0.002)	0.09 (0.004)
MHLL12060-000	120 (4.724)	60 (2.362)	0.20 (0.008)	0.35 (0.014)
MHLL12060-200	120 (4.724)	60 (2.362)	0.10 (0.004)	0.20 (0.008)



PART NUMBER SYSTEM EXAMPLE

MHLL	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-MHLL SHEET REV1.2 0814

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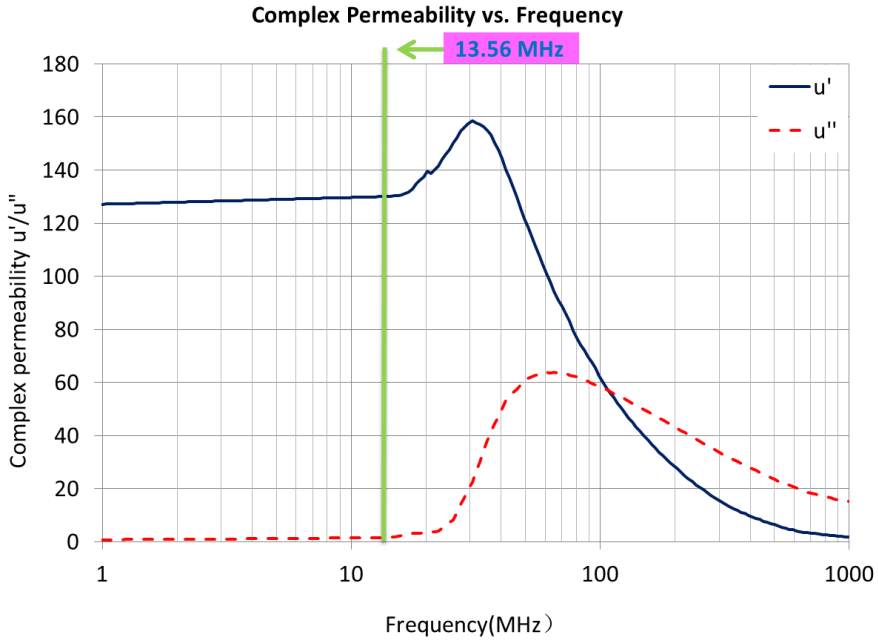
Flexible Ferrite Sheets For NFC & Wireless Charging

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MATERIAL SPECIFICATIONS

Property	MHLL Series
Real Permeability, μ'@13.56MHz, 0.1V	130 ± 20%
Imaginary Permeability, μ"@13.56MHz, 0.1V	5 max
Operating Temperature, ℃	-40℃ ~ +85℃

TYPICAL ELECTRICAL CHARACTERISTICS



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