

Flexible Ferrite Sheets For NFC & Wireless Charging

MSLL Series



FEATURES Rohs ®





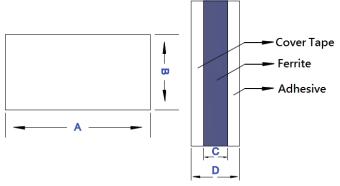
- Flexible ferrite sheets for 13.56 MHz NFC, RFID application & wireless charging application
- Made by thin, high permeability sintered ferrite with PET film and adhesive tape
- Standard ferrite layer thickness 0.05mm, 0.1mm and 0.2mm
- Custom size or thickness available upon request
- Operating temperature -40 $^{\circ}$ C to 85 $^{\circ}$ 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	A mm	B mm	C mm	D mm MAX
NUMBER	(inches)	(inches)	(inches)	(inches)
MSLL5040-000	50	40	0.20	0.35
	(1.969)	(1.575)	(0.008)	(0.014)
MSLL5040-200	50	40	0.10	0.20
	(1.969)	(1.575)	(0.004)	(0.008)
MSLL6060-300	60	60	0.05	0.09
	(2.362)	(2.362)	(0.002)	(0.004)
MSLL12060-000	120	60	0.20	0.35
	(4.724)	(2.362)	(0.008)	(0.014)
MSLL12060-200	120	60	0.10	0.20
	(4.724)	(2.362)	(0.004)	(0.008)



PART NUMBER SYSTEM EXAMPLE

000 MSLL 12060 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



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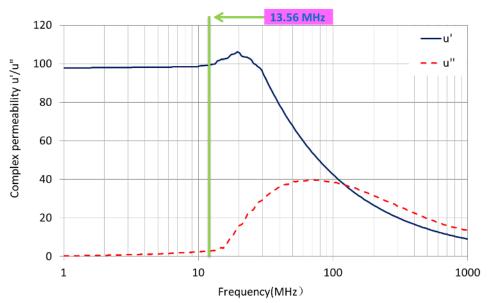
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MATERIAL SPECIFICATIONS

Property	MSLL Series	
Real Permeability, μ' @13.56MHz, 0.1V	100 ± 20%	
Imaginary Permeability, μ"@13.56MHz, 0.1V	5 max	
Operating Temperature, °C	-40°C ∼ +85°C	

TYPICAL ELECTRICAL CHARACTERISTICS

Complex Permeability vs. Frequency



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