



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China





FEATURES



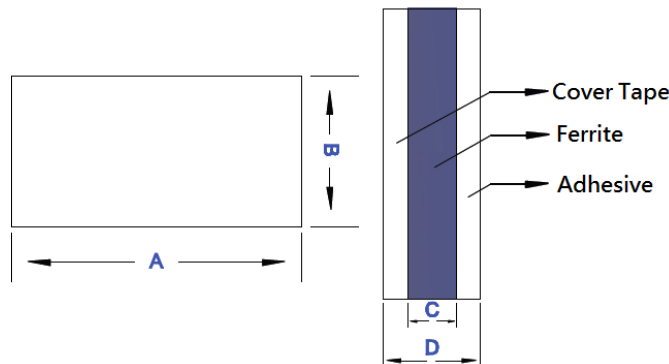
- Flexible ferrite sheets for 13.56 MHz NFC, RFID application & wireless charging application
- Made by thin, high permeability sintered ferrite with PET film and adhesive tape
- Standard ferrite layer thickness 0.05mm, 0.1mm and 0.2mm
- Custom size or thickness available upon request
- Operating temperature -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)
MULL5040-000	50 (1.969)	40 (1.575)	0.20 (0.008)	0.35 (0.014)
MULL5040-200	50 (1.969)	40 (1.575)	0.10 (0.004)	0.20 (0.008)
MULL6060-300	60 (2.362)	60 (2.362)	0.05 (0.002)	0.09 (0.004)
MULL12060-000	120 (4.724)	60 (2.362)	0.20 (0.008)	0.35 (0.014)
MULL12060-200	120 (4.724)	60 (2.362)	0.10 (0.004)	0.20 (0.008)



PART NUMBER SYSTEM EXAMPLE

MULL	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

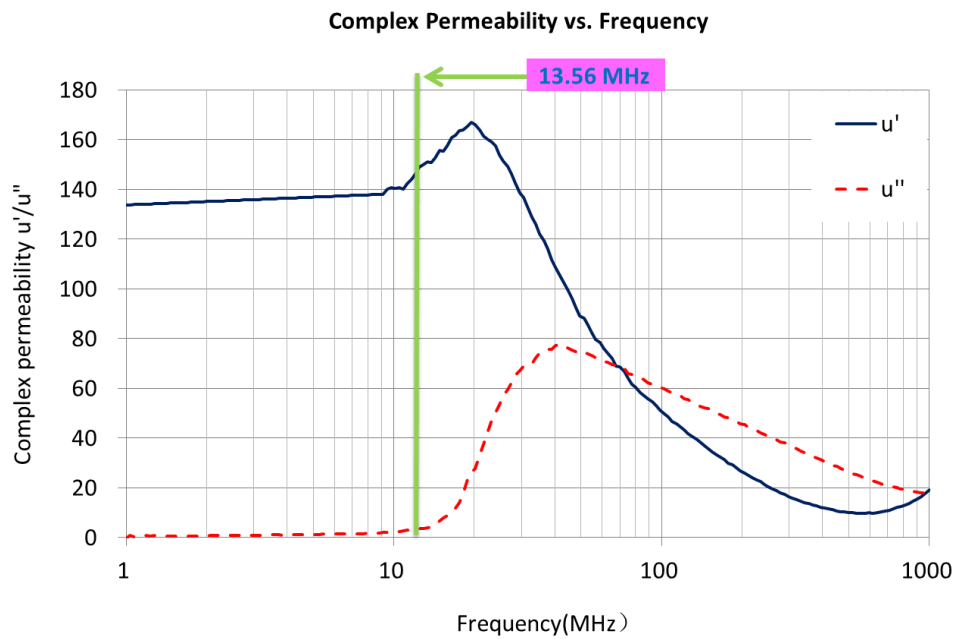
MCP-DS-MULL SHEET 0814

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MATERIAL SPECIFICATIONS

Property	MULL Series
Real Permeability, μ' @13.56MHz, 0.1V	150 \pm 20%
Imaginary Permeability, μ'' @13.56MHz, 0.1V	5 max
Operating Temperature, °C	-40°C ~ +85°C

TYPICAL ELECTRICAL CHARACTERISTICS



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Europe: +42.0.4885.7511.1
Asia: +86.757.2563.8860

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