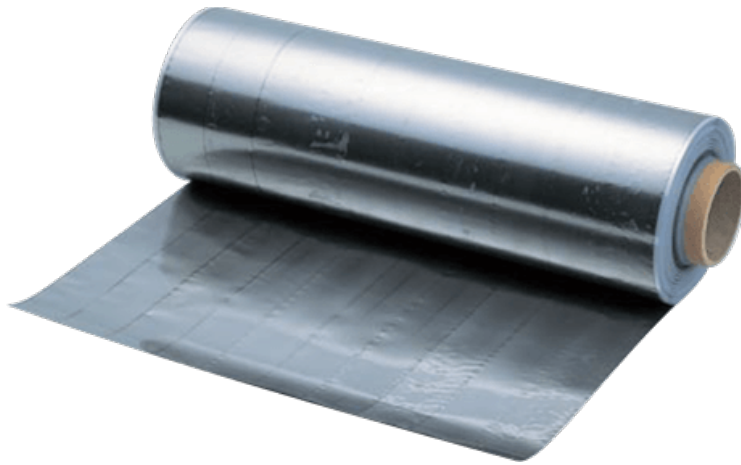


Mu-ferro shielding foil SD



Mu-ferro shielding foil 6800 - SD

Magnetic shielding sheets that are thin and flexible with a high permeability

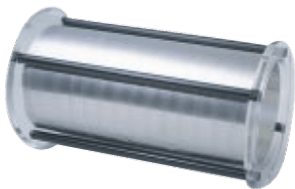
The Mu-ferro shielding foil is a magnetic shielding sheet and made of a high permeability material laminated on a PET film. The sheets are easy to handle and because of the thinness of 0.12 mm the material is very flexible.

The mu-ferro shielding foil is lightweight and has a superior magnetic shielding effect. The best shielding frequency can be made when the frequency gets below several 100 kHz.

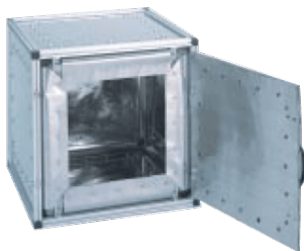
When one layer of Mu-ferro foil is used it can shield 100 μ T. When multiple layers of the material are used it can shield a strong magnetic field.

Having small deterioration in shielding effect by bending, cutting and punching, Mu-ferro foil can be applied on curved surface and cut or punched in various shapes.

The foil is also available in a long sheet and is suitable for large-scale magnetic shielding for example a shielded room.

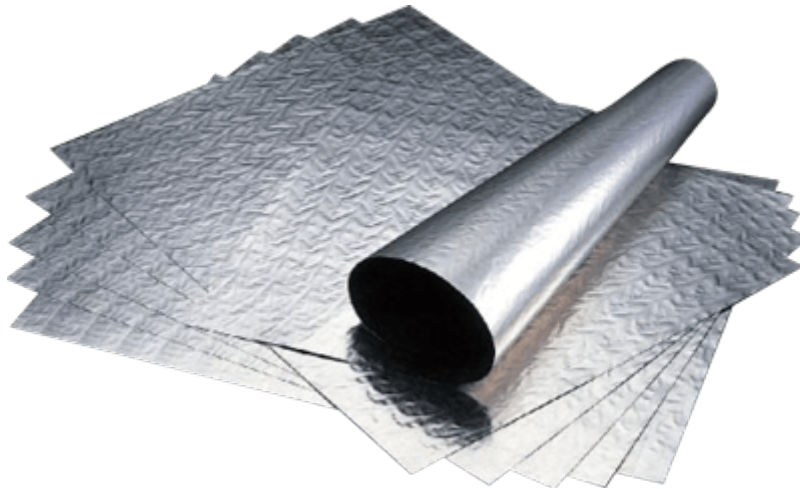


Cylindrical shielded box



Shielded box

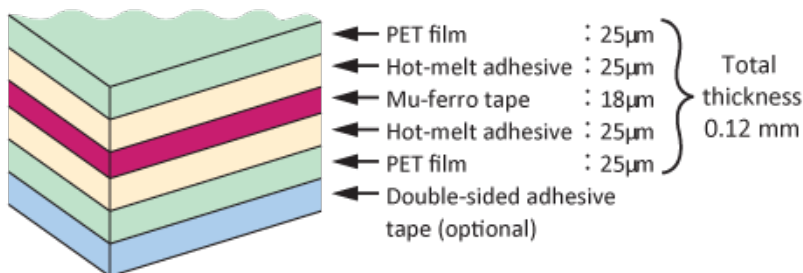
Mu-ferro shielding foil SD



Applications

- For suppression of magnetic noise generated from inductors in electronic devices, such as personal computer, mobile phone, DVC, DSC, etc.
- For magnetic shielding of buildings or houses close to power lines or power distribution installation.
- For magnetic shielding of equipments that are easily affected by geomagnetic field or fluctuating magnetic field.

Structure



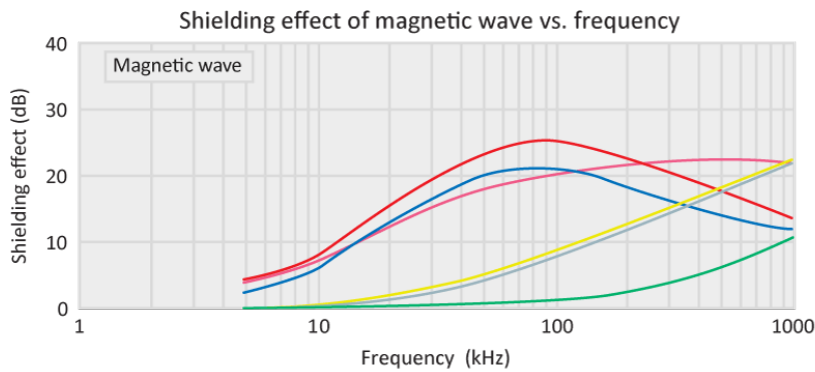
Specifications

Type	Long Sheet	Sheet
Part number		
Dimensions	Length	100 m
	Width	470 mm
Thickness	610 mm	
Magnetic flux density, B800 (DC H=800A/m)	460 mm	
Maximum permeability, μ_{max} (DC)	0.12 mm	
Operating temperature range	1.23 T	
	70.000	
	-40°C +80°C	

Double-sided adhesive tape is available for 610 mm × 460 mm sheet.

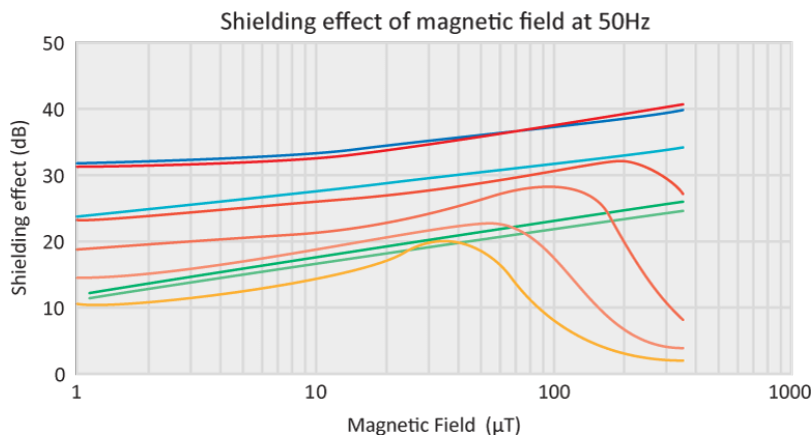
Mu-ferro shielding foil SD

Shielding effect



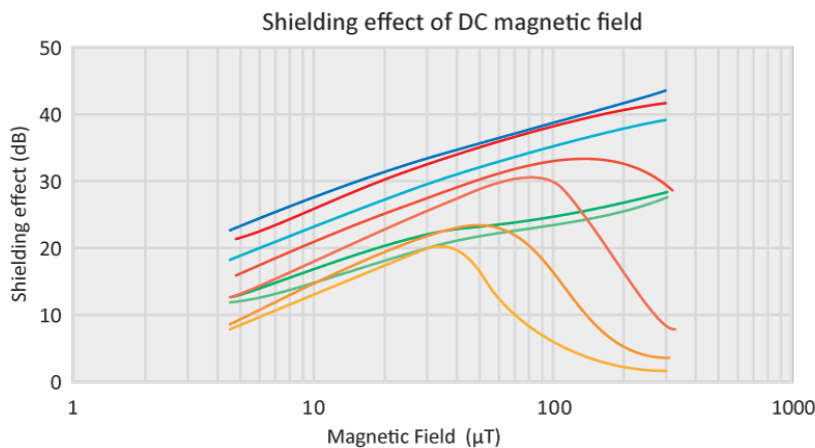
	Thickness (mm)	Weight ratio
Mu-ferro foil	0.12	57
PC Permalloy	0.5	100
Co-based amorphous	0.018	32
Cu	0.035	72
Al	0.05	31
Fe	0.02	36

Weight ratio: the ratio of weight to PC Permalloy (0.05mm thickness) for same area



	Thickness (mm)	Weight ratio
Mu-ferro foil 20 layers	2.4	57
Mu-ferro foil 8 layers	0.96	23
Mu-ferro foil 4 layers	0.48	11
Mu-ferro foil 2 layers	0.24	6
Mu-ferro foil 1 layers	0.12	3
PC Permalloy	1.0	100
PC Permalloy	0.5	50
Oriented Si steel	0.7	61
Oriented Si steel	0.35	31

Weight ratio: the ratio of weight to PC Permalloy (1.0mm thickness) for same area



	Thickness (mm)	Weight ratio
Mu-ferro foil 20 layers	2.4	57
Mu-ferro foil 8 layers	0.96	23
Mu-ferro foil 4 layers	0.48	11
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PC Permalloy	0.5	50
Oriented Si steel	0.7	61
Oriented Si steel	0.35	31

Weight ratio: the ratio of weight to PC Permalloy (1.0mm thickness) for same area

Partnumber / Ordercode:

Mu Ferro SD	XXX	XXX
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To get a quotation for Mu-ferro-SD shielding foil within 24 hours fill in the form below.

Mu Ferro SD	Width (mm)	Length (mm)
Mu Ferro SD	Please specify the width in mm	Please specify the length in mm

* Note: The red blocks are required

Sample of Partnumber:

Mu Ferro SD	470	150
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Produkt anfragen