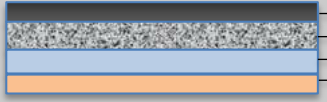


Emasfalis® LFS Series High μ Shield

Product Description

MINORU Emasfalis® LFS (Low Frequency Shielding Material) is a low-profile high permeability shield materials especially developed for effective low frequency magnetic shield within the confined space.

Overview	MINORU® Emasfalis® LFS (Low Frequency Shielding Material) is a multi layer composite material based on soft magnetic foil layer with protective PET cover film and acrylic pressure sensitive adhesive.
Structure	 <ul style="list-style-type: none"> Black Protective Film Magnetic Foil layer Double sided PSA PET Liner
Characteristic	<ul style="list-style-type: none"> *Excellent Low frequency/magnetic Shield characteristics *About 10 times the shielding power of iron sheet at the same thickness *Light weight compared to Iron/permalloy *No grounding connection required for flexible design
Application	<ul style="list-style-type: none"> * Protection of hall sensor and flux gate * HAC (Hearing Aid Compatibility) for mobile handheld devices * Quick Charger noise shielding for <250KHz * High Fidelity Audio System * MRI and other medical equipment
Specification	<p>LFS XXX</p> <ul style="list-style-type: none"> → Thickness 30: 0.03mm, 100: 0.10mm...etc) → Product Type (LFS Series)
Environment	

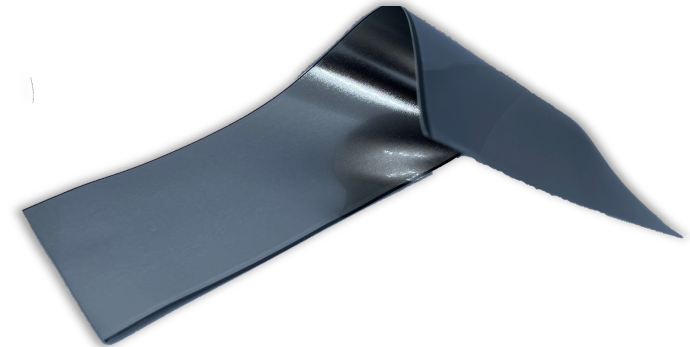
Series Common Specification

Item	LFS30	LFS50	LFS100
Black Protective Film Thickness (um)	5	10	10
High μ Magnetic Layer Thickness (um)	15	20	40
Double Sided PSA Thickness (um)	10	20	50
Total Thickness (um)	30±25%	50±20%	100±10%

Storage Period

The storage period is one years from the product production date.
The storage conditions are room temperature (22°C, humidity 50% RH) packaged in the original package.

This product is designed for consumer equipment.



AH Series Permeability

Items	LFS-xx
*Typical Permeability (μ' @150kHz)	11000
*Typical Permeability (μ'' @150kHz)	6000
Resistivity($\mu\Omega\text{m}$)	1.15
Magnetic flux density(T)	1.4
Temperature Range	-40°C-150°C

Note: The above technical information and data should be considered representative or typical only and should not be used for specification purposes.

* These values are measured with a Toroidal shaped sample: MINORU test method.

