EMI NANOCRYSTALLINE TAPE (LST-EMI-NCL)

Description

LISAT EMI Nanocrystalline Tape is a Fe-based Nanocrystalline Alloy Soft Magnetic material strip with effectiveness for Common-Mode Noise Filter and Magnetic Shield in the 10MHz - 1GHz Frequency range. It also has the best property value of High Saturation Magnetization, Permeability and Low Coercive Force. Nanocrystalline Soft Magnetic are used in various applications such as Wireless Charger, Power Supply, Flexible Magnetic Antenna, EMI Chokes, etc.

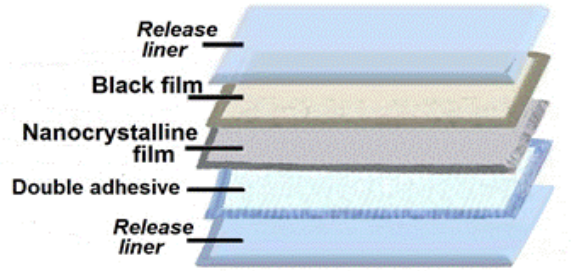
Features

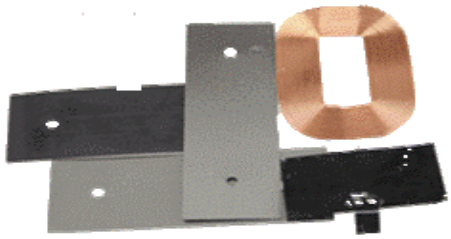
- **High Permeability & Saturation Flux Density**
- **Excellent EMI shielding and Noise Filter**
- **Reliable Temperature -40 ℃ to 100 ℃**
- **Offered in Wide Range Thickness**
- **RoHS Compliant**

Benefits

- **Die-cut into customizable shapes & sizes**
- **Adhesive backed for peel-and-stick process**
- **Excellent Anti-Wearing and Anti-Rusty**
- **Excellent Thermal Stability and Low Iron Loss**
- **Good Temperature Stability and Aging Stability**

Tape Structure





Notes: The below technical data and information should be thought as typical or representative only, and should not be used for specification purposes.

TYPICAL PROPERTIES OF EMI NANOCRYSTALLINE TAPE							
PROPERTY	**METRIC VALUE**						
LISAT Material Part-Number	**LST-EMI-NCL-XXX***						
Material	**Fe-Based Nanocrystalline Alloy**						
Material Width Size (mm)	**60.00**						
Release Liner Thickness (mm)	**0.075**						
Black Film Thickness (mm)	**0.005**						
Magnetic Foil Thickness (mm)	**0.020**	**0.045**	**0.070**	**0.095**	**0.120**	**0.145**	
Double Adhesive Thickness (mm)	**0.010**						
Total Tape Thickness (mm)	**0.035**	**0.060**	**0.085**	**0.110**	**0.135**	**0.160**	
Saturation Magnetic Flux Density (T)	**1.2**						
Residual Magnetic Flux Density @ 20KHz (T)	**< 0.20**						
Permeability (200 KHz)	**600 ±15%**						
Charging Frequency (KHz)	**110 to 205**						
Operation Temperature (°C)	**- 40 to 100**						

XXX* = Total Tape Thickness (035 = 0.035mm or 060 = 0.060mm or 085 = 0.085 or 110 = 0.110mm or 135 = 0.135mm or 160 = 0.160mm)

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