

## 1. Brief Introduction

A5000 series magnetic absorber is tailored for EMI wave/harmonic noise/crosstalk occurred on PCB label or any EMI noise inside enclosure of consuming electronic equipments. Non-conductive PSA is for better insulation separation easier/reliable mounting.

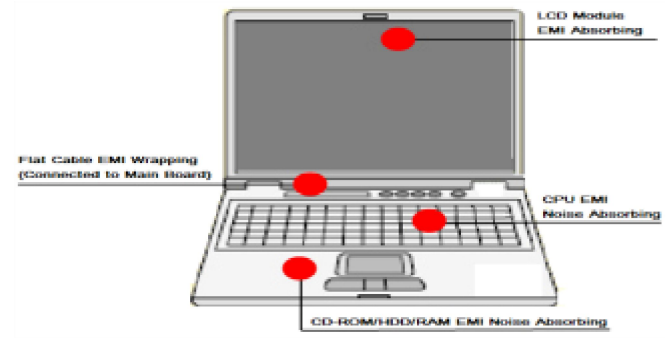
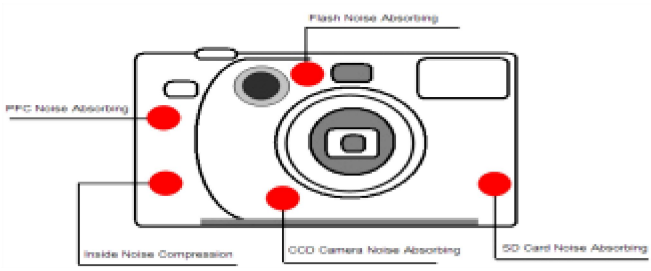
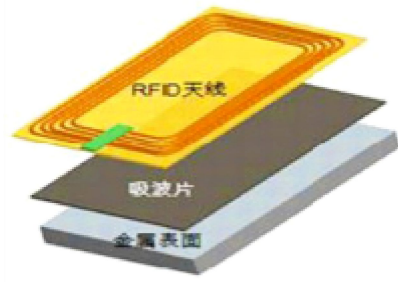
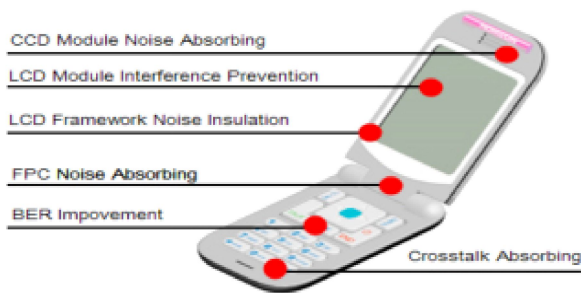
Per needed, can be laminated with foil tape conductive fabric tape to equip the absorber with perfect shielding function for some special uses. Supply with a soft release liner for easier hling die-cut.

## 2. Key Features

- Sheet-type for enough design in narrow space
- Totally non-conductive to achieve a safe use in PCB level
- High adhesion strength to make mounting reliable
- Excellent mechanical property makes die cutting easie

## 3. Typical Application

- Mobile Phone & Hy Phone Applications
- RFID Hardware Applications
- Digital Still Camera Applications
- Notebook Application
- Smart Cards Applications



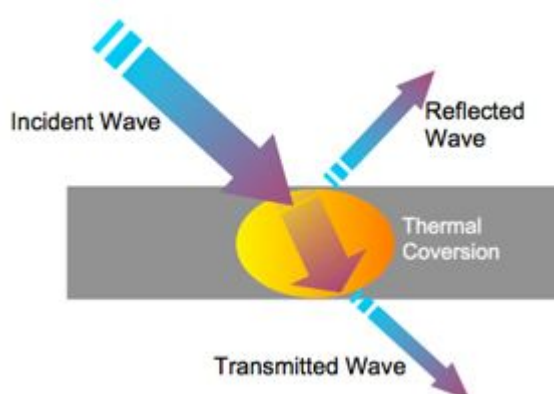
## 4. Technical Parameters

Properties	Typical Value	Test Method
Absorber sheet	Polymer	N/A
Tensile Strength	4.6Mpa	ASTM D 1000
Relative $\mu'$	50	1MHz
Operating Temp.	"-25~85"°C	Long time
Surface Resistance	$1.6 \times 10^5 \Omega$	Typical
Gravity	3.1g/cc	
Appl. Frequency	13.56MHz~8GHz	Typical
Dielectric Strength(DC)	400V	5mm(0.1mA/1mA Leakage)
Thermal Cond.	0.6W/mK	ASTM D 5470
Adhesion Strength	>1.0 kgf/inch	ASTM D 1000
Thicknes*2	0.1mm	
Dimension(mm)	100*240	/
Note:	**1 All values shown in the fm are typical values	

## 5. Application Effects

- Absorption Effect (Thermal Conversion)

EMI noise energy is converted to heat energy when incident wave propagates into HFC-A5000 absorber happens mutual action



- Hi-Frequency Impedance Effects

High & stable Magnetic permeability acter in high frequency range have an effect to provide circuit a high impedance, results in transmission noise peak suppression

