

## Flexible Sintering Ferrite Sheet

### 軟性鐵氧體貼片



#### INTRODUCTION 產品介紹

應用導磁係數及（或）導磁損耗，此一燒結之軟性鐵氧體貼片可用於引導電磁波傳播及（或）將電磁波轉換為熱能。

With  $\mu'$  and/or  $\mu''$ , the sintered ferrite contained in the flexible sheet can be applied to prevent electromagnetic waves from being transmitted through the shield and/or convert electromagnetic waves to thermal energy.

#### FEATURE 特色

1. Thin ferrite sheet with flexibility.  
薄型鐵氧體貼片。
2. High electromagnetic insertion loss in broad frequency band and achieves excellent performance in suppressing EMI noise.  
具有寬頻及高吸收效率可抑制 EMI 雜訊同時改善系統特性。
3. Made by thin and high permeability sintered ferrite plates with PET film and adhesive tape.  
以絕緣膠帶包覆的高導磁係數鐵氧體貼片。

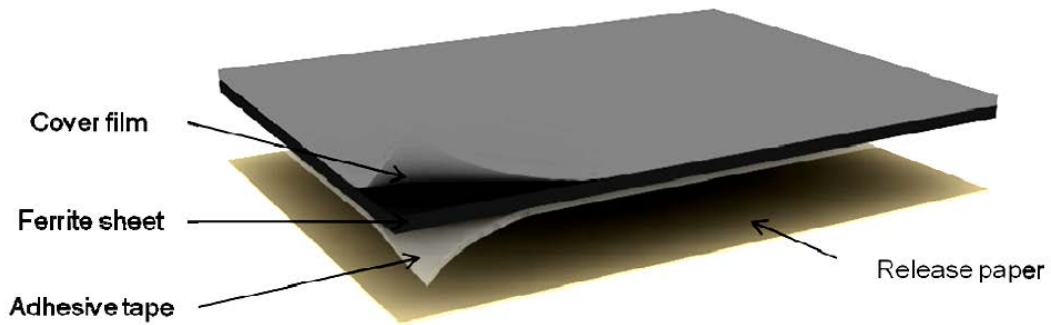
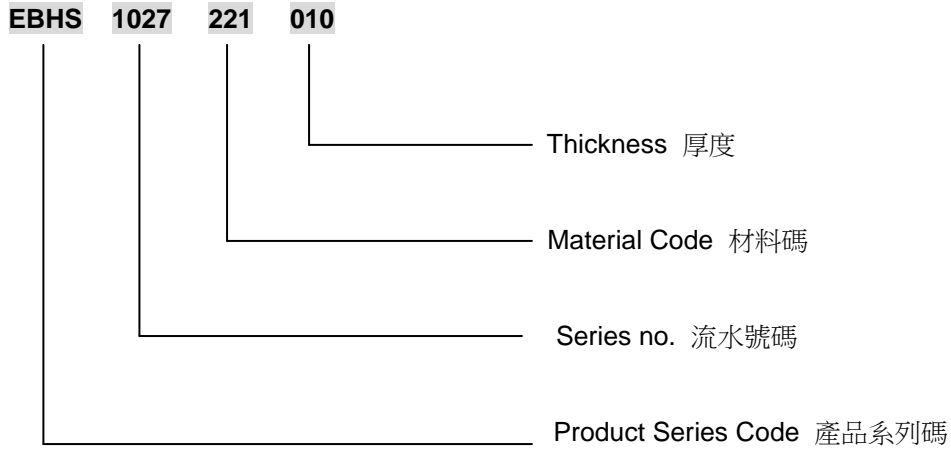
#### APPLICATION 適用產品

1. Mobile phone with NFC function.  
內建近場通訊功能之行動電話。
2. Improving built-in RFID antenna performance.  
改善 RFID 內埋天線特性。
3. Prevents the effect of interference generated by FPC cable use for DSC, DVC, laptop computers etc.  
避免 DSC、DVC 及筆記型電腦等排線造成的電磁干擾。
4. Mobile phone SAR level reduction.  
降低手機 SAR 輻射值。
5. EMI noise suppression for IC.  
抑制 IC 電磁干擾。
6. Wireless charging for mobile phone and battery powered handheld electronic electronics.  
手持式電子設備及行動電話之無線充電。

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### PART NUMBER SYSTEM 編碼系統



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EBHS Series 系列



### Electrical Characteristics 電氣特性

Part Number 產品料號	$\mu'$ Typ. 導磁係數 (at 1MHz)	$\mu''$ Typ. 導磁損耗 (at 1MHz)	Surface Resistivity 面電 阻 ( $\Omega$ /Square)	Standard Sheet Size 標準尺寸 (mm)	Standard Sheet Thickness 標準厚度 (mm)
EBHSxxxx201010	21	0.5	1G Min.	100x100	0.1
EBHSxxxx210020	21	0.5	1G Min.	100x100	0.2
EBHSxxxx210030	21	0.5	1G Min.	100x100	0.3
EBHSxxxx210040	21	0.5	1G Min.	100x100	0.4
EBHSxxxx210050	21	0.5	1G Min.	100x100	0.5
EBHSxxxx440010	44	0.7	1G Min.	100x100	0.1
EBHSxxxx440020	44	0.7	1G Min.	100x100	0.2
EBHSxxxx440030	44	0.7	1G Min.	100x100	0.3
EBHSxxxx440040	44	0.7	1G Min.	100x100	0.4
EBHSxxxx440050	44	0.7	1G Min.	100x100	0.5
EBHSxxxx600010	60	1	1G Min.	100x100	0.1
EBHSxxxx600020	60	1	1G Min.	100x100	0.2
EBHSxxxx600030	60	1	1G Min.	100x100	0.3
EBHSxxxx600040	60	1	1G Min.	100x100	0.4
EBHSxxxx600050	60	1	1G Min.	100x100	0.5
EBHSxxxx121008	120	1	1G Min.	100x100	0.08
EBHSxxxx121010	120	1	1G Min.	100x100	0.1
EBHSxxxx121020	120	1	1G Min.	100x100	0.2
EBHSxxxx121030	120	1	1G Min.	100x100	0.3
EBHSxxxx121040	120	1	1G Min.	100x100	0.4
EBHSxxxx121050	120	1	1G Min.	100x100	0.5
EBHSxxxx141010	140	1	1G Min.	100x100	0.1
EBHSxxxx141020	140	1	1G Min.	100x100	0.2
EBHSxxxx141030	140	1	1G Min.	100x100	0.3
EBHSxxxx141040	140	1	1G Min.	100x100	0.4
EBHSxxxx141050	140	1	1G Min.	100x100	0.5
EBHSxxxx221010	220	10	1G Min.	100x100	0.1
EBHSxxxx221020	220	10	1G Min.	100x100	0.2
EBHSxxxx221030	220	10	1G Min.	100x100	0.3
EBHSxxxx221040	220	10	1G Min.	100x100	0.4
EBHSxxxx221050	220	10	1G Min.	100x100	0.5

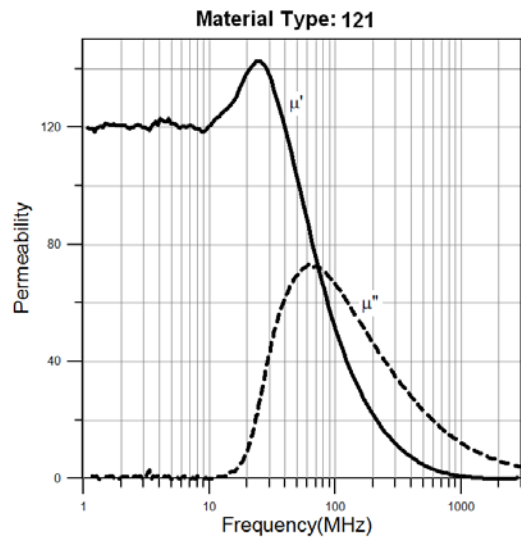
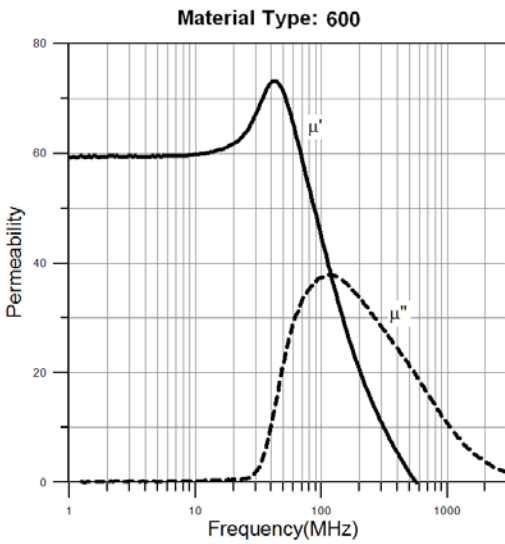
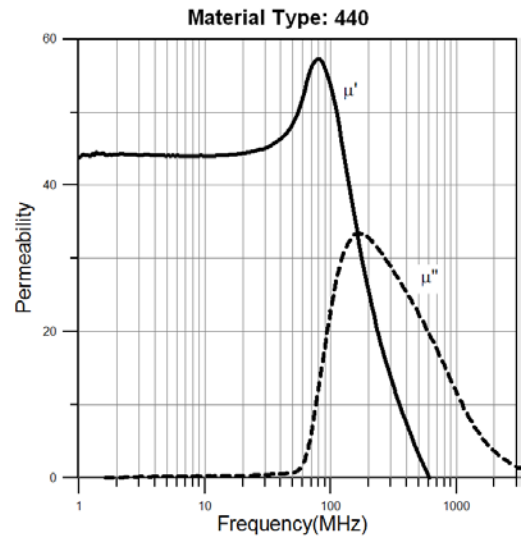
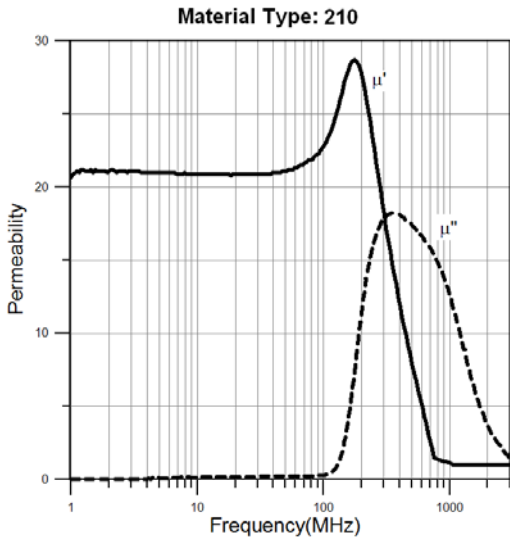
\* TEST EQUIPMENT: E4991A MATERIAL ANALYZER 量測儀器：E4991A 材料分析儀

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Permeability vs. Frequency 磁性材料的頻率特性



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