

- 產品特性 -

有效抑制電磁波干擾, 頻寬從 1MHz 到 18GHz
改變磁通量路徑以避免干擾其他元件
減低當磁通量接近金屬時產生的渦電流
超薄且容易彎曲, 方便置於不同位置
可配合 UL 等級的不導電雙面膠使用
有效預防共振及抑制耦合現象
高表面阻抗值 (10^6 ohms)
使用方便快速
方便裁切各種尺寸

- Product Features -

Effective EMI suppression in a wide frequency range (1MHz to 18GHz)
Change the magnetic flux path to avoid interference other components.
Reduce the eddy current when magnetic flux close metal.
Ultra thin and extremely flexible, can be freely arranged in space.
Non-conductive adhesive backing (UL Recognized) available.
Effective in preventing resonance and suppressing coupling.
High surface resistance (10^6 ohms)
Easy and fast to process
Can be cut any shape easily.

- 應用範圍 -

無線射頻辨識系統 (RFID) / 電子鎖
電子錢包 NFC (近場通訊)
無線充電器 (WPC / Qi)
電腦 (筆電 / 桌機 / 平板) 及周邊
數位產品
行動電話 / 智慧型手機 / 平板手機
無線設備
隔離箱 / 電波暗箱

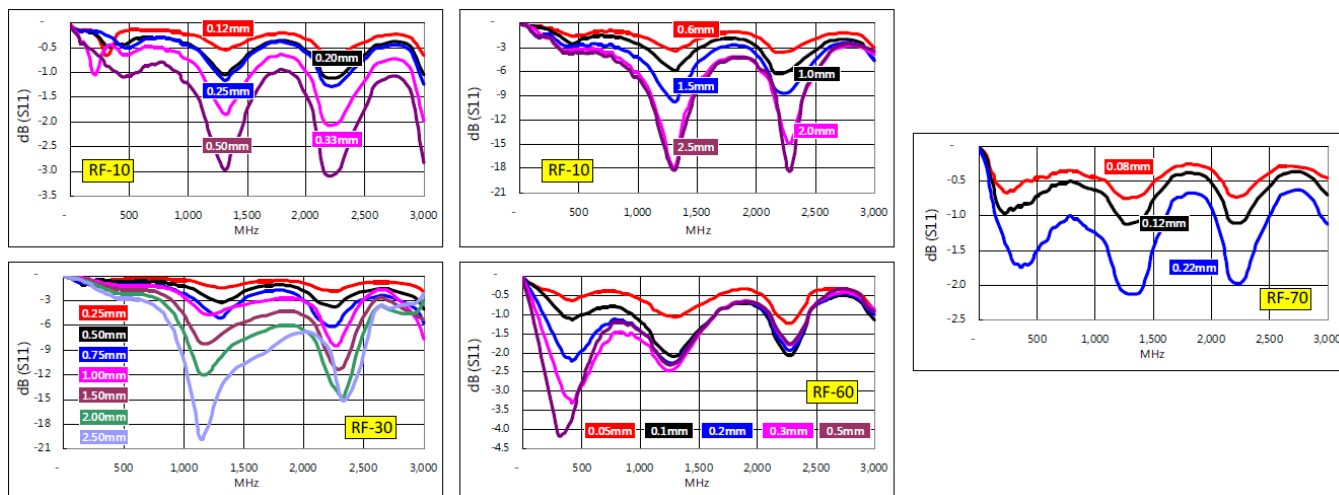
- Application Area -

RFID (Radio Frequency Identification) systems
RFID Digital Locks / Smart Locks
NFC (Near field communication)
Wireless Power Chargers (WPC / Qi)
Computers (NB / Desktop / Tablet) and peripherals
Digital Products
Mobile Phones / Smart Phones / Phablet
Wireless equipment
Shielding Box / Dark Box

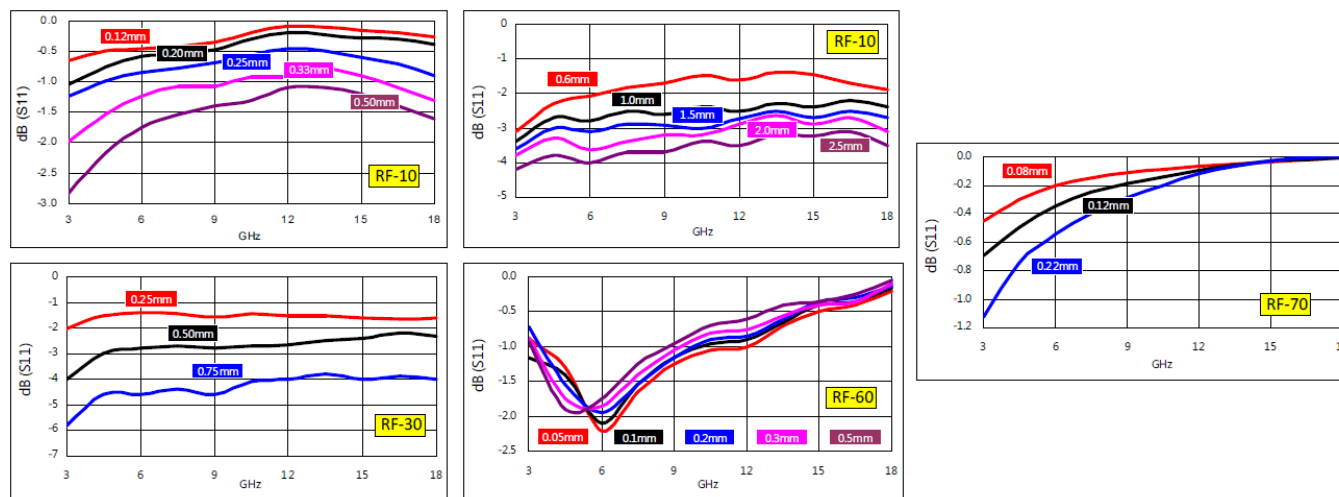
料號	P/N	RF-10	RF-30	RF-60	RF-70
價格	Price	最低 Lowest	低 Low	最高 Highest	高 High
最佳應用	Best Application	RFID, NFC	EMI, RFID, NFC	EMI, RFID, NFC, 無線充電貼片 (無磁鐵型) Wireless Charger(no magnet type)	
操作溫度	Operation Temperature	-40 ~ +85 °C	-40 ~ +85 °C	-40 ~ +155°C	-30 ~ +120 °C
應用頻率	Applicable Frequency	1MHz ~ 18GHz	1MHz ~ 18GHz	1MHz ~ 9GHz	1MHz ~ 3GHz
導磁率	Permeability (μ' @1MHz)	25	50	170	140
材料	Material	磁性粉 + 橡膠 Magnetic Powder + Rubber			燒結型鐵氧體薄片 Sintered Ferrite Sheet
最小厚度	Smallest Thickness	0.12mm	0.25mm	0.05mm	0.12mm
最大厚度	Biggest Thickness	2.50mm	2.50mm	0.50mm	0.22mm
最大尺寸	Max. Dimension	600x400 mm		210x297 mm	130x130 mm
表面電阻	Surface Resistance	10^6	10^6	10^6	10^9
鹵素	Halogen-Free	含鹵 No		無鹵 Yes	

以下測值僅供參考，非規格值。The following test data is only for reference, not for specification data.

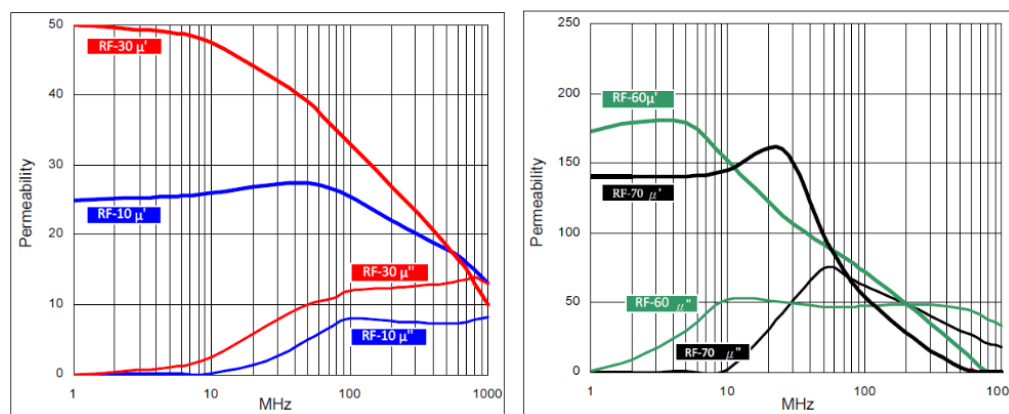
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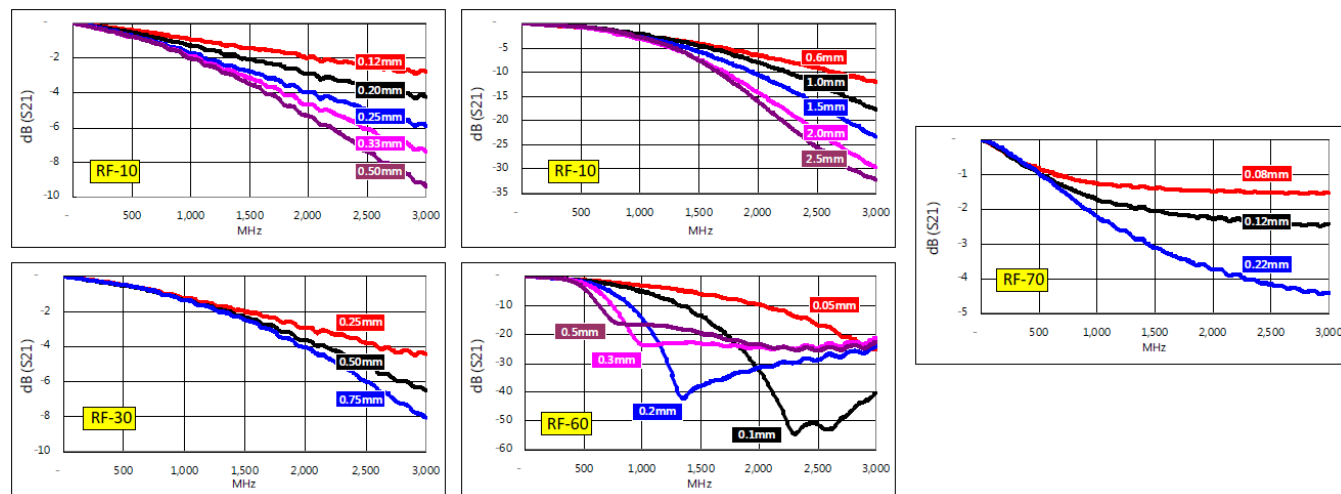


- 導磁率 Permeability ($\mu = \mu' - j\mu''$) -

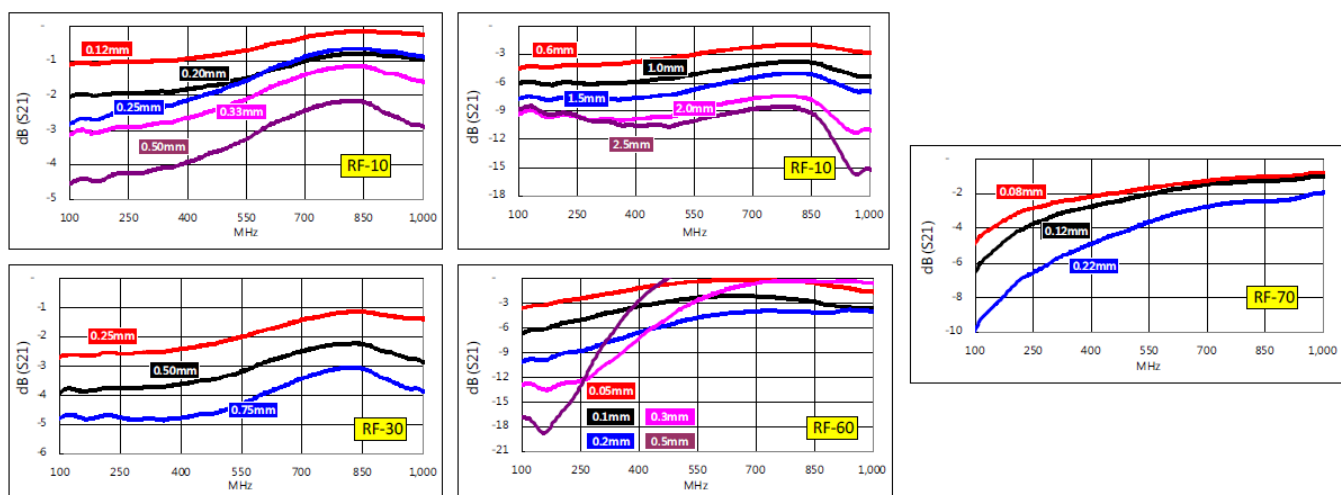


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- 濾波效果測試 Filter Effect Test -



- 磁屏蔽/去耦效果測試 Magnetic Shield / Decoupling Effect Test -



- 插入損失 Insertion loss (1MHz ~ 3GHz) -

