EMI Shielding Effectiveness Measuring Method

PRINCIPLE

+ EMI Shielding efficiency (SE)

$$\text{EMI SE} = 10 \log \left( \frac{\text{Power of transmitted wave}}{\text{Power of incident wave}} \right) \text{ (dB)}$$

$$= SE_{\text{Reflection}} + SE_{\text{Absorption}} + SE_{\text{Multiple Reflection}}$$

CONDITIONS

+ Test method: ASTM D4935
+ Test equipment: Network Analyzer E8364A
+ Test frequency: 45MHz ~ 1.5GHz
+ Test fixture: E-2107A
EMI SHIELDING MATERIAL

One of the electromagnetic noise solutions in the high tech IT industry is an electromagnetic shielding material, currently commercialized by two types of shielding and grounding materials.
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ABSORBING & SHIELDING TAPE

FA Series are multi functional film performing both Electromagnetic shielding and EMI absorbing. It provides EMI reliability to the data cable, PCB board more stably.

FEATURES
+ Thin film type
+ Multi functional film (Shielding + absorbing)
+ Excellent absorbing ability

APPLICATION
+ IC Circuit
+ Flat Cable
+ LCD Panel
+ Substitution
+ Ferrite Bead Replacement

CONDUCTIVE TAPE

ET SERIES

ET Series which has conductive adhesion on functional films provide various solution to noise, heat, and vibrating issues.
■ **EMI IMPEDANCE TAPE**

**DPR SERIES**

DPR Series are newly developed functional film to optimize EMC Compatibility and perfect impedance match in a high speed signal transmission.

![Diagram of DPR Series structure](image)

- **Cover Layer**
- **Functional Layer**
- **Adhesive Layer**
- **Release Layer**

■ **EMI PASTE**

This is a printable conductive paste using a specially formulated silver powder and silver flake as the conductive agent for superior performance in electric field and EMI shielding.

**MAIN FEATURES**

+ Excellent adhesion to PI film
+ Excellent flexibility

**APPLICATIONS**

+ Shielding for flexible PCBs
+ Conductive circuits for flexible PCBs

![Diagram of EMI Paste application](image)