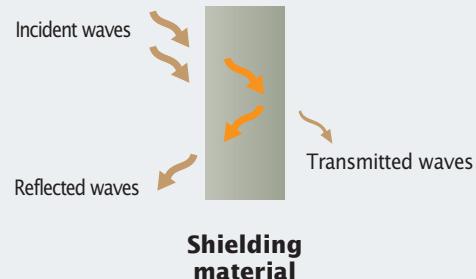


# EMI Shielding Effectiveness Measuring Method

## PRINCIPLE

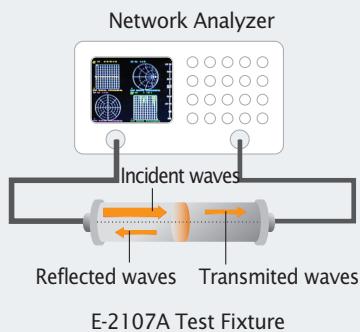
- + EMI Shielding efficiency(SE)

$$\text{EMI SE} = 10 \log \left| \frac{\text{Power of transmitted wave}}{\text{Power of incident wave}} \right| (\text{dB}) \\ = \text{SE}_{\text{Reflection}} + \text{SE}_{\text{Absorption}} + \text{SE}_{\text{Multiple Reflection}}$$



## CONDITIONS

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



**Pyeongtaek Factory**  
148-40, Goryeom-ri, Cheongbuk-myeon, Pyeongtaek-si, Gyeonggi-do, Korea  
Tel: +82-31-683-2466 Fax: +82-31-683-2465

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# EMI SHIELDING MATERIAL

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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

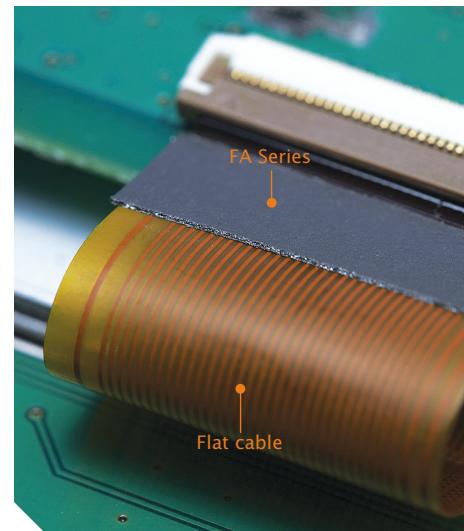
FA Series are multi functional film performing both Electromagnetic shielding and EMI absorbing. It provides EMI reliability to the data cable, PCB board more stably.

### FEATURES

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

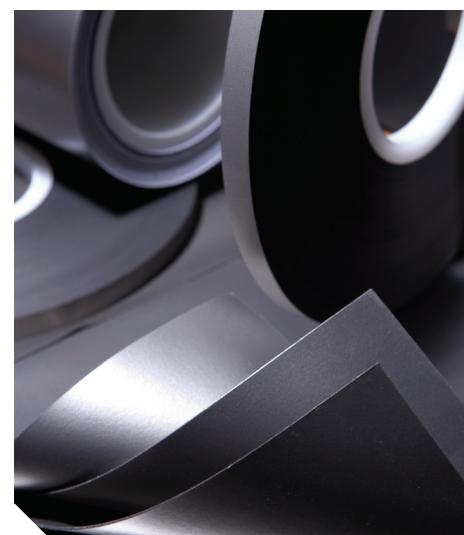
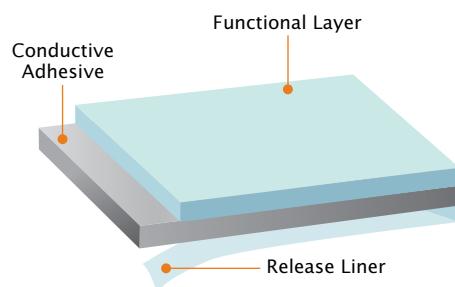
### APPLICATION

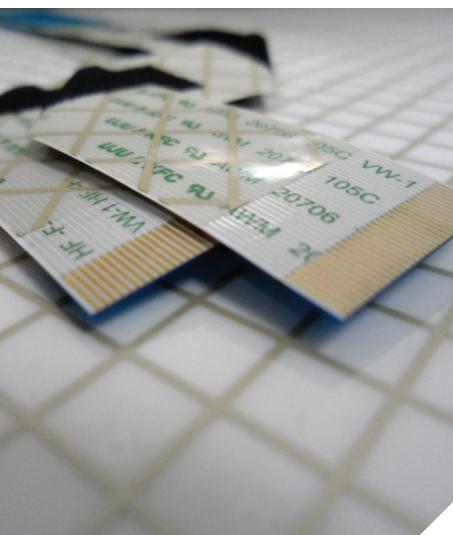
- + IC Circuit
- + Flat Cable
- + LCD Panel
- + Substitution
- + Ferrite Bead Replacement



## ■ CONDUCTIVE TAPE ET SERIES

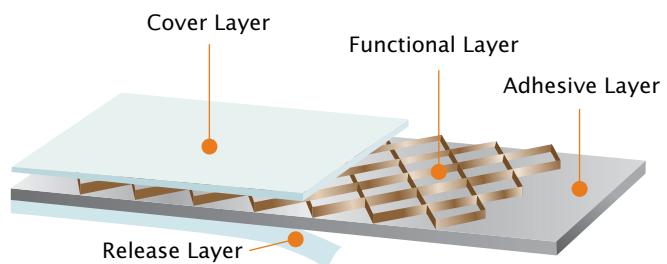
ET Series which has conductive adhesion on functional films provide various solution to noise, heat, and vibrating issues.





## ■ 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.



## ■ 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

