

ELPACTO® Flexible RFID Sheet

ITEM EAH-N / EAP-N RoHS compliant

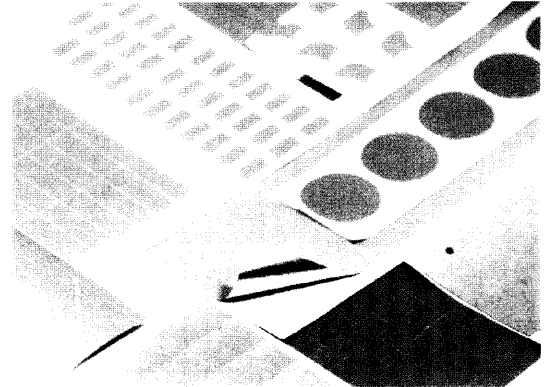
Profiles

Our EA series of EMI Absorber consist of Polymer resin and metal flakes filler which is available in 210mm x customer's required length in roll.

EA series of EMI Absorbers can sufficiently suppress radiated noise from various electrical devices.

Also, EA series improves the RFID communication distance by suppressing the interference between loop antenna and adjacent metal objects.

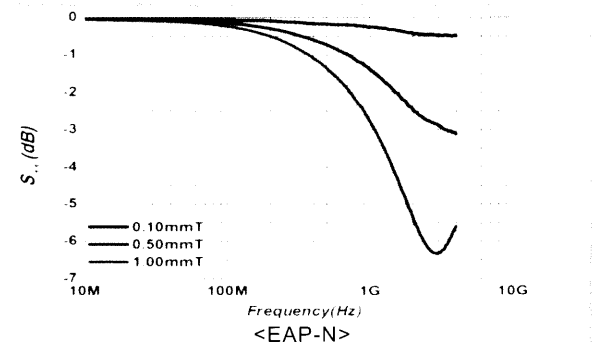
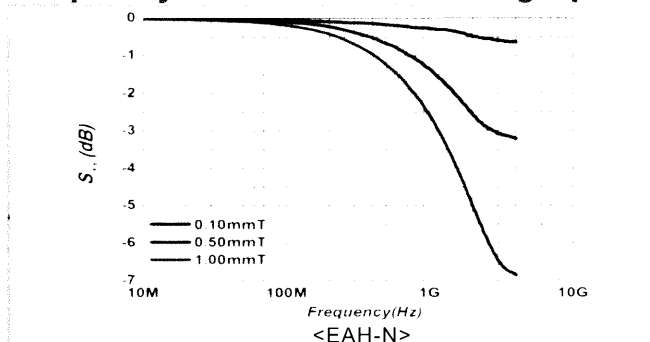
(effective carrier frequency : 13.56Mhz and below)



Specification

Property	Unit	Test Method	Value
EMI absorber thickness	mm	KSM ISO 2589	0.08 ~1.2
Adhesive thickness	mm	KSM ISO 2589	0.03 / 0.05
Standard size	mm	-	210mm x Requested Meter
Temperature range	°C	-	-25 ~ 125
Specific gravity	-	-	3.3 ± 0.2
Surface resistance	Ω	JIS K 6911	1.0 × 10 ⁸
Thermal conductivity	W/m-K	ASTM D 5470	1.0 ± 0.1
Tensile strength	kg/cm ²	ASTM D 638	> 100
Elongation	%	ASTM D 638	> 60
Approved Standard	-	-	-

Frequency vs Return Loss(S11) graph



Permeability graph

