



E-Song America, Inc.

100%
RoHS Compliant
Products

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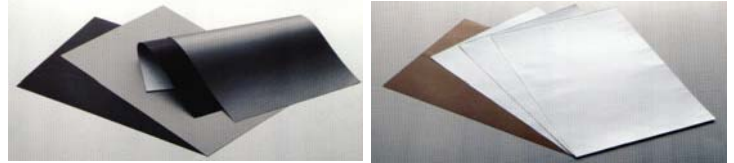
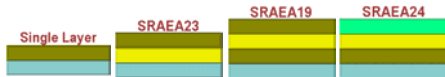
EMI NOISE ABSORBERS

Characteristic

EMI noise absorbers are elastomer sheets, with noise absorbing fillers. Base carrier can be silicone rubber, epoxy, Polyurethane, and other material, mixed with proprietary EMI "absorbing" metallic particles that converts EM energy into heat. EMI absorber having comparatively high thermal conductivity as well, the heat dissipates quickly. By concocting mixture ratio of varying metallic particle from ferrite, Mn, Ni to Cobalt, each manufacturer achieves targeted frequency and attenuation rates. Data provided is for reference only and each application has its uniqueness and actual testing can only determine which EMI absorber material is best suited for a particular case.

Structure

■ Insulation
■ Conductive material
■ Absorber material
■ Adhesive tape



Technical data

PART NO.	SREA14	SREA101	SREA18	SREA21	SREA22	SREA01	SFEA01	SREA24	SREA23	SREA19
Feature	Specifically for RFID	Standard frequencies	Standard frequencies	High Permeability	High Permeability	High Insulation	High Insulation	Ultra Wide Bands	Ultra Wide Bands	Ultra Wide Bands
Structure	Single layer	Single layer	Single layer	Single layer	Single layer	Single layer	Single layer	Double layers	Double layers	Triple layers
Applicable Frequency Range	13.56 MHz	50 MHz to 10GHz	50 MHz to 10GHz	10 MHz to 10GHz	10 MHz to 10GHz	1 GHz to 10GHz	1 GHz to 10GHz	5 MHz to 10GHz	5 MHz to 10GHz	5 MHz to 10GHz
Permeability μ @100MHz	Min. 25	Min. 25	Min. 29	Min. 33	Min 41	Min 14	Min. 12			
Operating Temp. °C	-30 to +90	-30 to +90	-30 to +90	-30 to +90	-30 to +90	-30 to +90	-30 to +90	-30 to +90	-30 to +90	-30 to +90
Density (g/cm ³)	3.5 ±0.3	3.0 ±0.3	3.2 ±0.3	3.3 ±0.3	3.3 ±0.3	3.8 ±0.3	3.6 ±0.3	3.0 ±0.3	3.0 ±0.3	3.0 ±0.3
Thermal Conductivity (W/m-K)	1.1	0.8	0.8	0.8	0.8	1.3	1.3	0.8	0.8	0.8
Hardness (Shore A)	90 ±5	90 ±5	90 ±5	90 ±5	90 ±5	90 ±5	90 ±5	90 ±5	90 ±5	90 ±5
Tensile Strength (kg/cm ²)	>20	>20	>20	>20	>20	>20	>20	>20	>20	>20
Elongation (%)	20	20	20	20	20	20	20	20	20	20
Surface Resistance (Ω /inch ²)	>1 x 10 ⁶	>1 x 10 ⁶	>1 x 10 ⁶	>1 x 10 ⁶	>1 x 10 ⁶	>1 x 10 ⁶	>1 x 10 ⁸	>1 x 10 ⁸	>1 x 10 ⁶	>1 x 10 ⁶
Environment Issues	RoHS compliant	RoHS compliant	RoHS compliant	RoHS compliant	RoHS compliant	RoHS compliant	RoHS compliant	RoHS compliant	RoHS compliant	RoHS compliant
Flammability	UL94 V0 equivalent	UL94 V0 equivalent	UL94 V0 equivalent	UL94 V0 equivalent	UL94 V0 equivalent	UL94 V0	UL94 V0	UL94 V0 equivalent	UL94 V0 equivalent	UL94 V0 equivalent
Thicknesses Available (mm) Also ask for custom thicknesses	0.1, 0.25, 0.5	0.05, 0.1, 0.2, 0.3, 0.5	0.05, 0.1, 0.2, 0.3, 0.5	0.05, 0.1, 0.2, 0.3, 0.5	0.05, 0.1, 0.2, 0.3, 0.5	0.2, 0.3, 0.5	0.2, 0.3, 0.5	0.05, 0.1, 0.2, 0.3, 0.5	0.05, 0.1, 0.2, 0.3, 0.5	0.05, 0.1, 0.2, 0.3, 0.5
Standard product sizes 10m, 20m Rolls available	200 x 300	200 x 300	200 x 300	200 x 300	200 x 300	200 x 300	200 x 300	240 x 300	240 x 300	240 x 300

Application Examples

