



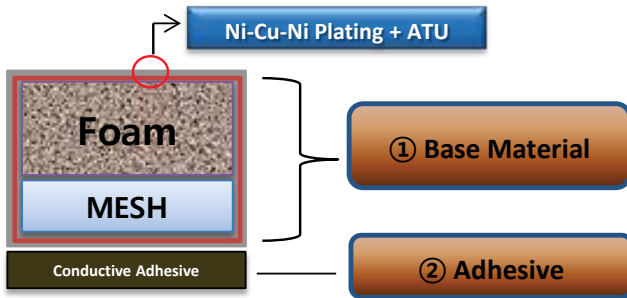
SSCF1321M Series Conductive Foam Data Sheet

Shielding effectiveness and flexibility, high performance products

Newly developed Conductive Cushion which consists of a conductive foam and a pressure sensitive conductive adhesive. The numerous cells of foam are plated with Copper - Nickel and it is very flexible and provides good shielding effectiveness.

Construction

Item	Class	Reference
① Base Material	Conductive Cushion Foam	PU Foam+Mesh +Ni+Cu+Ni Plating +ATU
② Adhesive	Conductive Adhesive	-
③ Release Paper	CP Paper	70 g/sq, Double Side PE, One Side Release Treated



■ Appearance



※ Conductive Adhesive Resin Composition

- ◆ The Principal Ingredient (Adhesive Resin) : Acrylic Ester Polyol Copolymer
- ◆ Modified Chemical Material (Conductive Filler Located in Adhesive) : Modified Nickel

Functions

SSCF1321M SERIES is very easy to mount on the substrates due to conductive tape attached to the backside of Cushion. It is easy to process or fabricate the EMI Cushion into various shapes. (Die-Cutting, Kiss-Cutting, Slitting etc..)

Applications

- Shock prevention and electrical grounding of internal components of mobile phone.
- Shielding, grounding and shock protection for other electronic equipment.



SHIELDING SOURCE

EMI SHIELDING, GASKETING & MORE

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Characteristics:

<i>Adhesive Strength (180 ° peel)</i>	<i>gf/25mm</i>	<i>Min. 1000</i>	<i>KS T 1028</i>
<i>Color</i>	<i>-</i>	<i>Gray</i>	<i>VISUAL</i>
<i>Contact Resistance</i>	<i>Ω/in²</i>	<i>Max. 0.1</i>	<i>1Kg Pressure</i>
<i>Surface Resistance</i>	<i>Ω/□</i>	<i>Max. 0.1</i>	<i>MIL-DTL-83528C/Foam Side</i>
<i>Pore count</i>	<i>ppi</i>	<i>80</i>	<i>-</i>
<i>Thickness</i>	<i>mm</i>	<i>±0.1</i>	<i>Standard Size 0.3, 0.5, 0.7, 1.0</i>
		<i>±0.2</i>	<i>Standard Size 1.5, 2.0, 2.5, 3.0</i>
<i>Width</i>	<i>mm</i>	<i>500</i>	<i>-</i>
<i>Shielding Effectiveness</i>	<i>db</i>	<i>Min. 70</i>	<i>ASTM D 4935</i>
<i>Temp Range</i>	<i>°C</i>	<i>-10 ~ 80</i>	<i>-</i>



SHIELDING SOURCE

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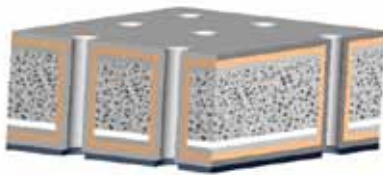
SSCF1431S Series Conductive Foam Data Sheet

High Performance, Electrically and Thermally Conductive

- SSCF1431S Series is a super high electrical conductivity material with excellent adhesive characteristics.
- Heat can be transmitted in X-Y-Z directions.
- Use of electromagnetic shielding can greatly improve electronic product performance.

Construction

Item	Class	Reference
① Base Material	Conductive Cushion	Polyolefin + Ni + Cu + Ni Plating
② Adhesive	Conductive Adhesive	Non-woven conductive fabric
③ Release Paper	CP Paper	70 g/sq, Double Side PE, One Side Release Treated
Total Thickness(①+②)		0.2, 0.3, 0.5, 0.7 ± 0.05 mm



- ① Polyolefin Plating
- ② Non-woven Conductive Fabric
- ③ Conductive Adhesive

Conductive Adhesive Resin Composition

- * The Principal Ingredient (Adhesive Resin) : Acrylic Ester Polyol Copolymer
- * Modified Chemical Material (Conductive Filler Located in Adhesive) : Modified Nickel

Characteristics

Item	Unit	Spec.	Reference
Contact Resistance	Ω /in ²	Max. 0.1	1Kg Pressure
Adhesive Strength (180 ° peel)	gf/25mm	Min. 1200	KS A 1107/304 SUS Plate
Shielding Effectiveness	dB	Min. 60	ASTM D 4935

RoHS & Halogen free

Item	Unit	Results
Pb	ppm	N.D
Cd	ppm	N.D
Hg	ppm	N.D
Cr+6	ppm	N.D
PBB	ppm	N.D
PBDE	ppm	N.D

Shielding Effectiveness

