



3D Conductive Foam

Product Description

SF-FB3300 series, combination of PU Foam+Mesh+ATU, electroplated with Cu/Ni. Allow the sponge has the properties of conducts in 3 Dimensional, from X Y Z coordinates. With features of easy to die cutting, and great flexibility, allows to be applied in various devices and products.

Features

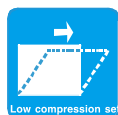
- Easy to die cutting
- Easy Application
- Excellent Shielding Effectiveness
- Very flexible
- Low cost

Applications

- Figure for EMI/ESD/RFI/SAR
- Mobile Phone , PDA , Digital camera , Camcorder
- LCD , PDP , Set-top Box , Note-PC, Net-Work System
- Cable Shield-

Storage and Shelf Life

- Best recommended validity : Within less than 6 months.
- Best recommended storage condition : Temperature(25°C~30°C)&Humidity(50%RH~60%RH)
- The measuring data was determined under the laboratory condition, and can be used as a reference only.
- Performance may vary when using in different applications.



Physical Properties	UNIT	SF-FB3300	Physical Properties
Base material	t : 2.98mm±0.3	PU Foam + Mesh + ATU	Cu / Ni Plating
Conductive Adhesive	single side coated	The Main Ingredient (Adhesive Resin) : Acrylic Ester Polyol Copolymer	
		Modified Chemical Material (Conductive Filler Located in Adhesive)	
		Modified Nickel Powder	
Realease Paper	70g/sq	Double Side PE , One Side Release Treated	
Total Thickness (mm)	3.0mm±20%	Thickness measurement	
Width	980mm±20mm	Measure Tape	
Length	30m/Roll	Measure Tape	
Pore count	80 ppi±10	ASTM D 3574-86	
Color	BLACK	MIL-G-83528	
Surface Resistance	<0.2 Ω/□	Test by MIL-G-83528	
Volume Resistance	<0.2 Ω-cm	ASTM D 4935	
Shielding Effectiveness (dB)	Min 50	Test by ASTM D 4935 Method	
Tensile strenght (N)	L: 239 / W: 227	DIN EN ISO13934-1	
Elongation (%)	L: 26.5 / W: 18.5	DIN EN ISO13934-1	
Temp.Range	- 10°C~85°C	Thermometer	
Recommended compression	15%~30%	Different compression rate By different load (Kg)	
180° Peel Adhesion	Min : 1000gf	KS T 1028	
Holding Power	>3600 sec	PET Film (25 μm) 25mm X 25mm / 40°C , 500g	

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