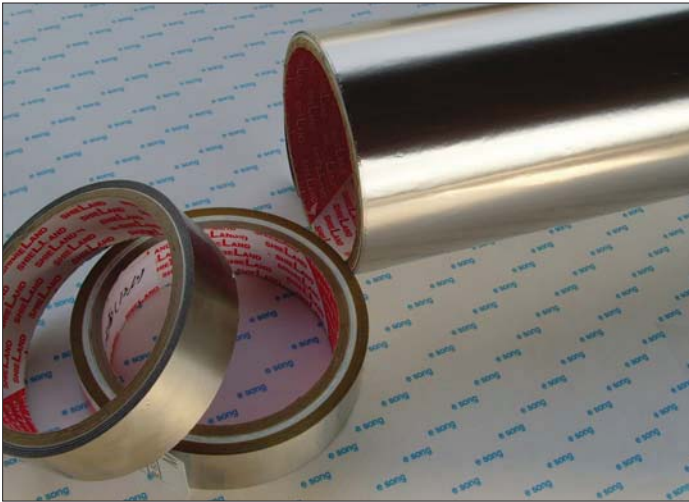


# ULTRA THIN EMI SHIELDING METAL TAPE



● Ultra thin metal alloy:  $t=0.005\text{mm}$

● Soft

● Excellent conductivity

- Ideal for slim mobile electronic products
- Highly conductive with permeability

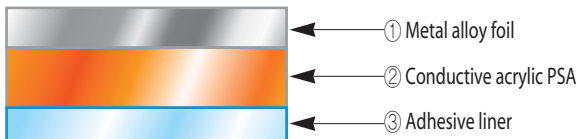


## CHARACTERISTICS

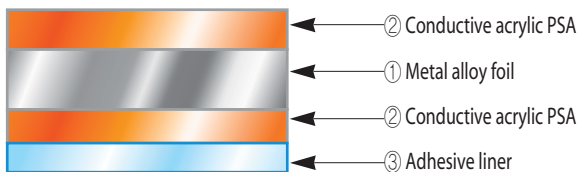
- Conductive and permeable
- Solder compatible metal alloy
- Thin and high tensile strength

## STRUCTURE AND MATERIAL

### ■ With PSA on one side (Part No. TEA500)



### ■ With PSA on both sides (Part No. TEA501)



## SPECIFICATIONS

Property	Unit	TEA500	TEA501	Test Method
Total Thickness	mm	$0.020 \pm 0.002$	$0.035 \pm 0.003$	-
Material thickness	-	Ni+Cu Alloy	Ni+Cu Alloy	-
	mm	$0.005 \pm 0.001$	$0.005 \pm 0.001$	-
PSA thickness	-	Acrylic/Ni powder	Acrylic/Ni powder	-
	mm	$0.015 \pm 0.001$	$0.015 \pm 0.001$	-
Surface Resistance	$\Omega / \square$	0.05	0.015	*ESQ-517-04
Thru-Thickness Resistance	$\Omega$	0.01	0.05	*ESQ-517-27
Adhesive Strength	g/25mm	1000	1000	ASTM D 3330
Sustenance Power	SEC	32000NC <sup>(1)</sup>	32000NC	SUS 304 1Kg weight
Tensile strength	kgf	6.3	6.3	ASTM D 3759
Corrosion resistance		OK	OK	salinity 5% 48 hrs JIS Z2371
Flame Rating		UL 510	UL 510	-
Operating Temp	$^{\circ}\text{C}$	< 110	< 110	KSC 2102

Note: NC: No Change

## USAGE EXAMPLES

- Slim electronic gadgets with limited space and needing high conductivity
- As ground plane at bottom of a plastic housing
- Flat LCD cable shielding

## TEST DATA

### ■ Shielding Effectiveness

- Test Method : ASTM D4935

