WE-8111C
Conductive Copper Tape



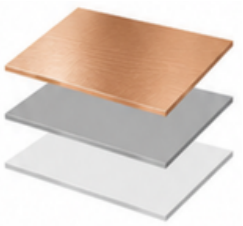
TECHNICAL DATA

June, 2026

PRODUCT DESCRIPTION

Single-guided Conductive Copper Tape

CONSTRUCTION



- Copper foil
- Acrylic glue conductive
- Release liner

MATERIAL DATA		
ITEM	DETAIL	DESCRIPTION
Base Material	Copper Foil Thickness : 0.018±0.005mm.	99.95%
Adhesive	Acrylic Adhesive Thickness : 0.032±0.005mm.	Oily acrylic
Total Thickness	- 0.05mm	Excluding release liner

CHARACTERISTICS			
ITEM	DETAIL	ITEM	DETAIL
Adhesion to Steel	1.5 kg/25mm	Shielding effectiveness	60dB to 80dB (30 MHz to 1GHz)
Tensile Strength	4.50 kg/25mm	Short term heat resistance	140°C
Fracture Resistance	25/44 N/10mm	Long term heat resistance	93°C
Surface Impedance	0.003-0.005 Ω (25.4mm x 25.4mm)	Equivalent	3M1181

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Conditions
To achieve the best adhesion of tape: paste surface must be clean and dry. Pressure above 2kg should be applied to ensure full contact with the tape. Avoid touching the adhesive surface and avoid contamination that may affect adhesion. The bonded surface should not have obvious physical elasticity.

Conditions under high / low temperature
Tape application temperature range is 10°C - 35°C. It is not recommended to apply the tape below 10°C because the adhesive may become too hard and reduce adhesion. When the tape is used in a low temperature environment, warm the tape to room temperature (about 20°C) for more than three hours before use. When heated at high temperature, the instantaneous temperature should not exceed 120°C. Working temperature should be below 80°C; if continuously heated, do not exceed more than 10 minutes to prevent damage to the tape function and features.

Package
Tape rolls are packed with shrink film packaging materials. Finished products and finished sheets are packed in bags and loaded in cartons.

Tape storage and quality assurance of the Period
The tape should be stored at a temperature of 22°C - 25°C and RH55% - 65%. Quality assurance during manufacture factory is within three months.

Remark
The above data are average values obtained from testing. Users must determine whether this product is suitable for a particular purpose and suitable for the user's application method. Many factors can affect performance in specific applications. If there are any questions, please contact our staff for more detailed product information and service.

For Additional
To request additional product information or to arrange for sales assistance, call 662-0263363.

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