Venture Tape

30 Commerce Road
Rockland, MA 02370-0384

23/02/2010

781-871-1400
Fax: 781-871-0065

1697

SUPER ELECTRICALLY CONDUCTIVE COPPER FOIL SHIELDING TAPE

DESCRIPTION: A 1.4mil (36 micron) premium dead soft, zero temper, high tensile copper foil coated with and an aggressive, conductive acrylic pressure sensitive adhesive. Superior adhesion, malleability and adhesive conductivity allow for extremely low resistance and make this an excellent shielding tape.

APPLICATIONS: Designed to meet a wide variety of EMI/RFI shielding applications in the electronics industry. Also for use in printed circuit manufacture and repair. Foil accepts solder easily and does not oxidize.

TECHNICAL DATA

	IMPERIAL	METRIC
Thickness:		
Foil:	1.4 mils (.0014")	0.036 mm
Total:	3 mils (.003")	0.076 mm
Adhesion:		
Peel (PSTC #1):	36 oz/inch width	10.2 N/2.5 cm
Shear (PSTC #7)Indefinite @	1.1 psi	7.6 kPa
Tensile(PSTC #31):	36 lbs/inch width	163.0 N/2.5 cm
Elongation(PSTC #31):	6%	6%
Low Temperature Application:	10°F	-12°C
High Temperature Resistance:	250°F	121°C

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	IMPERIAL	METRIC
Low Environmental Resistance:	-40°F	-40°C
Resistance: MIL 202C Method 307	.002 ohms/in^2	
Release Liner:	65 lb. bleached kraft	106 GSM
Standard Widths:	1/8" to 44"	3.18 mm to 1.1 meters
Standard Lengths:	18 and 36 yards	16.5 and 32.9 meters

Shielding Effectiveness: MIL 285M	**Frequency**	**Attenuation**
	100 Khz	141 db
	1 Mhz	137 db
	10 Mhz	114.5 db
	50 Mhz	96 db
	100 Mhz	101.5 db
	200 Mhz	111 db
	400 Mhz	102 db
	800 Mhz	>128 db
	900 Mhz	>127 db
	1 Ghz	>116 db
	5 Ghz	92 db
	10 Ghz	80 db
	17 Ghz	87 db

IMPORTANT INFORMATION:

The physical properties listed above are typical test results obtained from a series of laboratory tests and should not be used for the purpose of writing specifications. Before using the product, user shall determine the suitability of the product for his/her use; and user assumes all risks and liabilities in connection therewith. All test procedures used are in accordance with ASTM, PSTC and Mil Standard methods. 1/23/98