



*"If you can imagine it, Nadco will make it stick."*

**1688**

***(Super Electrically Conductive Aluminum Foil Shielding Tape)***

**DESCRIPTION:** This product consists of a 2 mil (50 micron), premium dead soft, high strength aluminum foil coated with a specially formulated conductive pressure sensitive acrylic adhesive system. 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 and RFI shielding applications in the electronics industry. Also for use in printed circuit manufacture and repair. Foil accepts solder easily

**TECHNICAL DATA**

	IMPERIAL	METRIC
Thickness ( <i>exclusive of liner</i> ):	3.5 mils (0.0035")	0.089mm
Adhesion:		
Peel (PSTC #1):	36 oz/inch width	10.2 N/2.5 cm
Shear (PSTC #7)l:	72+ hrs. @ 1.1 psi	7.6 kPa
Tensile(PSTC #31):	36 lbs/inch width	163.0 N/2.5 cm
Elongation(PSTC #31):	4.4%	4.4%
Low Temperature Application:	10°F	-12°C
High Temperature Resistance:	250°F	121°C
Low Environmental Resistance:	-40°F	-40°C
Resistance: 307	009 ohms/in	Mil 202C Method
Release liner:	65 lb. bleached kraft	106 GSM



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*(Continued)*

**SHIELDING EFFECTIVENESS:**  
Mil 285M

Frequency	Attenuation
100 Khz	>126 db
1 Mhz	>100 db
10 Mhz	70 db
50 Mhz	59 db
100 Mhz	60 db
200 Mhz	71 db
400 Mhz	69 db
800 Mhz	73 db
900 Mhz	72 db
1 Ghz	70 db
5 Ghz	61 db
10 Ghz	62 db
17 Ghz	64 db