

# 3M™ Tapes and EMC Products



## XYZ-AXIS ELECTRICALLY CONDUCTIVE ADHESIVE TRANSFER TAPES

For reliable and effective attachment of EMI/RFI shields and gaskets to electronic devices.

- 24 month shelf life



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Size	Price Each	
		1	10
517-9712-1	1" x 36yds	59.78	56.75
517-9712-1/2	1/2" x 36yds	43.69	41.32
517-9712-1/4	1/4" x 36yds	25.23	22.98
517-9713-1	1" x 36yds	100.91	94.00
517-9713-1/2	1/2" x 36yds	56.25	53.43

## HIGH PERFORMANCE ADHESIVE TRANSFER TAPES - 200MP ADHESIVE

Popular choice for graphic attachment and membrane switch applications.

- excellent diecut and process



MOUSER STOCK NO.	Size	Price Each	
		1	10
517-467MP-2	2" X 60yds	42.07	37.84
517-467MP-3	3" x 60yds	51.08	42.64
517-468MP-2	2" X 60yds	51.64	46.47
517-468MP-3	3" x 60yds	73.90	68.71
517-468MP-3/4	3/4" x 60yds	16.52	15.80

## ASSORTED TAPES

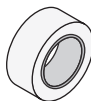
For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Backing	Adhesive	Size	Price Each	
				1	10
<b>Polyimide Film Tape for Insulating and Motor Applications</b>					
517-92-50/36	Polyimide Film	Thermosetting Silicone	.50" x 36 yds	27.42	26.06
517-92	Polyimide Film	Thermosetting Silicone	.75" x 36 yds	45.49	43.19
<b>Polyimide Film Tape - Solvent-Resistant</b>					
517-01205-50/36	Polyimide Film	Thermosetting Silicone	.50" x 36 yds	23.63	21.99
517-01205	Polyimide Film	Thermosetting Silicone	.75" x 36 yds	41.58	37.71
<b>Conductive Anti-Static Tape with Symbol</b>					
517-40PR-75/36	Polyester Film	Antistatic Polymer	.75" x 36 yds	11.42	10.64
517-40PR-75/72	Polyester Film	Antistatic Polymer	.75" x 72 yds	21.15	20.09
517-40PR-50/72	Polyester Film	Antistatic Polymer	.50" x 72 yds	13.29	12.38

## WATER-SOLUBLE WAVE SOLDER TAPE

Tape 5414 has a poly-vinyl alcohol backing which is water soluble and a synthetic water soluble adhesive to mask gold fingers on printed circuit boards during wave soldering.

- Adhesive: Water soluble synthetic
- Color: Hazy, transparent
- 12 month shelf life

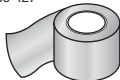


517-5414	1/2" x 36yds	39.37	33.32
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## ALUMINUM FOIL TAPES

Tapes 425 and 427 are 5 mil nominal dead soft aluminum foil backing combined with a transparent acrylic adhesive. Tape 427 offers an easy-release liner.

- Color: Shiny silver
- Adhesive: Acrylic
- 24 month shelf life



For quantities greater than listed, call for quote.

517-425-1	1" x 60yds	27.02	25.12
517-425	2" x 60yds	58.08	50.50
517-427	2" x 60yds	72.98	67.60

## METALLIZED POLYESTER CLOTH TAPE

Lightweight, conformable oxidation resistant and high strength for EMI shielding and grounding.



- Adhesive-Acrylic Conductive

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Description	Size	Price Each	
			1	10
517-2191FR	Nickel on Copper Plated Ripstop	.75" x 21.8yds.	83.83	74.24
517-CN-3190	Nickel on Copper Plated Ripstop	.75" x 54.5yds.	135.49	119.98

## 3M™ VHB™ TAPES

Provide the convenience and simplicity of a tape fastener and are ideal for use in many interior and exterior bonding applications. They can replace rivets, spot welds, liquid adhesives and other permanent fasteners.

- Solvent and moisture resistance
- Excellent durability
- Made with acrylic foam



MOUSER STOCK NO.	Color	Adhesive Type	Foam Type	Size	Price Each	
					1	10
517-4941-1	Gray	Multi Purpose	Conform	1" x 36yds.	146.23	135.99
517-4941-1/2	Gray	Multi Purpose	Conform	1/2" x 36yds.	69.14	64.29
517-4950-1	White	Gen Purpose	Firm	1" x 36yds.	124.10	107.77
517-4950-1/2	White	Gen Purpose	Firm	1/2" x 36yds.	61.70	58.61
517-4950-3/4	White	Gen Purpose	Firm	3/4" x 36yds.	91.41	86.84
517-4949-1	Black	Gen Purpose	Firm	1" x 36yds.	133.89	124.49
517-4949-3/4	Black	Gen Purpose	Firm	3/4" x 36yds.	99.44	92.46
517-4951-1	White	Low Temp Apply	Firm	1" x 36yds.	152.76	142.06
517-4945-1	White	Multi Purpose	Firm	1" x 36yds.	142.89	136.30
517-4910-1	Clear	Gen Purpose	-	1" x 36yds.	97.41	92.56
517-4910-1/2	Clear	Gen Purpose	-	1/2" x 36yds.	48.00	45.57
517-4952-1	White	Low Surf Energy	Firm	1" x 36yds.	147.70	137.36
517-4952-1/2	White	Low Surf Energy	Firm	1/2" x 36yds.	85.64	79.64
517-4611-1	Dark Gray	Gen Purpose	Firm	1" x 36yds.	58.68	55.75
517-4611-1/2	Dark Gray	Gen Purpose	Firm	1/2" x 36yds.	39.53	37.56
517-4611-3/4	Dark Gray	Gen Purpose	Firm	3/4" x 36yds.	48.05	45.66
517-4622-1	White	Gen/Multi Purpose	Conform	1" x 36yds.	56.71	52.73
517-4622-1/2	White	Gen/Multi Purpose	Conform	1/2" x 36yds.	31.55	29.97
517-5952-1/2	Black	Modified	Very Conform	1/2" x 36yds.	59.62	55.46
517-5952-3/4	Black	Modified	Very Conform	3/4" x 36yds.	43.44	38.38

## LOW STATIC POLYIMIDE FILM TAPE

Translucent, polyimide film-backed silicone adhesive tape with unique and extremely low electrostatic discharge properties.

- Shelf life - 12 months
- Mask for protection for PCB during wave solder or solder dip process
- Used as release surface in fabrication of parts cured at elevated temperatures



MOUSER STOCK NO.	Color	Adhesive Type	Foam Type	Size	Price Each	
					1	10
<b>Series 5419</b>						
517-5419-1/4	Gold	Silicone	Polyimide	1/4" x 36yds.	19.86	18.85
517-5419-1/2	Gold	Silicone	Polyimide	1/2" x 36yds.	36.12	33.60
517-5419-3/4	Gold	Silicone	Polyimide	3/4" x 36yds.	51.56	48.99
517-5419-1.5	Gold	Silicone	Polyimide	1 1/2" x 36yds.	109.32	103.86
517-5419-2	Gold	Silicone	Polyimide	2" x 36yds.	141.50	134.44
<b>Series 5433, Lined Version</b>						
517-5433-1	Amber	Silicone	Polyimide	1" x 36yds.	71.33	67.77

## SERIES 851 CIRCUIT PLATING TAPE

- For printed circuit board masking
- Shelf life - 12 months
- Unique conformable adhesive



† Transparent

MOUSER STOCK NO.	Color	Adhesive Type	Foam Type	Size	Price Each	
					1	10
517-851-1/2	Green †	Silicone / Rubber	Polyester †	1/2" x 144yds.	15.38	14.62
517-851-1	Green †	Silicone / Rubber	Polyester †	1" x 144yds.	26.33	25.03

## EMI/RFI FOIL SHIELDING TAPES

Copper foil electrical tapes provide an easy-to-apply, timesaving, cost-effective way to shield against EMI/RFI radiation. Foil tapes are conductive through the adhesive and offer mechanical, electrical and thermal values to meet your shielding effectiveness and frequency requirements.



- Meets UL 510 requirements for flame retardancy

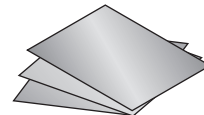
† Coated on Both Sides

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Description	Size W x L: in.	Price Each	
			1	10
517-1170	3.2 Mil Aluminum Foil, Conductive Acrylic	1" x 18yds.	54.33	50.53
517-1170-50/18	2.0 Mil Aluminum Foil, Acrylic Conductive	.50" x 18yds.	26.67	24.53
517-1181-1.0	1.4 Mil Copper Foil, Acrylic Conductive	1" x 18yds.	51.69	48.07
517-1181-1/2	1.4 Mil Copper Foil with smooth finish	.5" x 18yds.	23.69	22.03
† 517-1182	1.4 Mil Copper Foil, Acrylic Conductive Coated	.75" x 18yds.	40.52	37.70
517-1183	1.4 Mil Tin Plated Copper Foil, Acrylic Conductive	.75" x 18yds.	38.38	35.70
517-1194	1.4 Mil Copper Foil, Acrylic Non-Conductive	.75" x 18yds.	35.84	33.33
517-1245-1.0	Embossed Copper Foil, Acrylic Non-Conductive	1" x 18yds.	41.76	38.84
517-1245-1/2	Embossed Alum. Foil, Acrylic Non-Conductive	.5" x 18yds.	21.04	19.58
517-1345	Embossed Tin-Plated Copper Foil, Acrylic Non-Conductive	.75" x 18yds.	40.72	37.02

## EMI ABSORBING MATERIALS

EMI Absorbing can suppress radiated noise in broadband frequency. Thin, flexible, and easily die cut.



- Backing: Silicone rubber with magnetic filler
- Self-adhesive sheet allows easy prototyping for EMC solutions
- Nonconductive Acrylic
- New, larger sizes available

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Specifications	Size	Price Each	
			1	10
517-AB5010	0.1mm, -3dB@1.2GHz to >6GHz	8.26 x 10.0"	8.67	8.16
517-AB5020	0.2mm, -3dB@825MHz to >6MHz	8.26 x 10.0"	9.80	9.18
517-AB5030	0.3mm, -3dB@800MHz to >6GHz	8.26 x 10.0"	10.78	10.09
517-AB5050	0.5mm, -3dB@700MHz to >6MHz	8.26 x 10.0"	16.28	12.05
517-AB5100S-210MM	0.5mm, -3dB@600MHz to >6MHz	8.26 x 10.0"	67.89	63.55
517-AB5010S	0.1mm, -3dB@850MHz to >6GHz	8.26 x 11.8"	9.43	6.97