

# 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 of 20 and up, call for quote.

MOUSER STOCK NO.	Size	Price Each	
		1	10
517-9712-1	1" x 36 yds	59.78	56.75
517-9712-1/2	1/2" x 36 yds	35.95	34.00
517-9712-1/4	1/4" x 36 yds	25.25	23.00
517-9713-1	1" x 36 yds	99.95	94.00
517-9713-1/2	1/2" x 36 yds	55.25	52.43



## 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 60 yds	34.76	31.27
517-467MP-3	3" x 60 yds	49.94	41.69
517-468MP-2	2" X 60 yds	42.88	38.59
517-468MP-3	3" x 60 yds	53.50	49.75
517-468MP-3/4	3/4" x 60 yds	16.25	15.54



## 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

MOUSER STOCK NO.	Size	Price Each	
		1	10
517-5414	1/2" x 36 yds	33.06	27.98



## 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 of 20 and up, call for quote.

MOUSER STOCK NO.	Size	Price Each	
		1	10
517-425-1	1" x 60 yds	24.95	23.20
517-425	2" x 60 yds	43.70	41.40
517-427	2" x 60 yds	69.39	64.52



## 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 36 yds	109.26	101.61
517-4941-1/2	Gray	Multi Purpose	Conform	1/2" x 36 yds	65.55	60.95
517-4950-1	White	Gen Purpose	Firm	1" x 36 yds	101.45	88.10
517-4950-1/2	White	Gen Purpose	Firm	1/2" x 36 yds	52.58	49.95
517-4950-3/4	White	Gen Purpose	Firm	3/4" x 36 yds	71.18	67.62
517-4949-1	Black	Gen Purpose	Firm	1" x 36 yds	104.24	96.93
517-4949-3/4	Black	Gen Purpose	Firm	3/4" x 36 yds	81.66	75.94
517-4951-1	White	Low Temp Apply	Firm	1" x 36 yds	108.20	100.62
517-4945-1	White	Multi Purpose	Firm	1" x 36 yds	101.19	96.52
517-4910-1	Clear	Gen Purpose	---	1" x 36 yds	69.00	65.56
517-4910-1/2	Clear	Gen Purpose	---	1/2" x 36 yds	41.40	39.31
517-4952-1	White	Low Surf Energy	Firm	1" x 36 yds	110.34	102.62
517-4952-1/2	White	Low Surf Energy	Firm	1/2" x 36 yds	70.34	65.41
517-4611-1	Dk. Gray	Gen Purpose	Firm	1" x 36 yds	55.63	52.85
517-4611-1/2	Dk. Gray	Gen Purpose	Firm	1/2" x 36 yds	37.47	35.60
517-4611-3/4	Dk. Gray	Gen Purpose	Firm	3/4" x 36 yds	39.47	37.51
517-4622-1	White	Gen/Multi Purpose	Conform	1" x 36 yds	50.96	47.39
517-4622-1/2	White	Gen/Multi Purpose	Conform	1/2" x 36 yds	29.91	28.41
517-5952-1/2	Black	Modified	Very Conform	1/2" x 36 yds	52.39	48.73
517-5952-3/4	Black	Modified	Very Conform	3/4" x 36 yds	33.21	31.55



## 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 36 yds	17.84	16.94
517-5419-1/2	Gold	Silicone	Polyimide	1/2" x 36 yds	31.82	29.59
517-5419-3/4	Gold	Silicone	Polyimide	3/4" x 36 yds	46.78	44.44
517-5419-1.5	Gold	Silicone	Polyimide	1 1/2" x 36 yds	93.58	88.90
517-5419-2	Gold	Silicone	Polyimide	2" x 36 yds	128.37	121.95
<b>Series 5433, Lined Version</b>						
517-5433-1	Amber	Silicone	Polyimide	1" x 36 yds	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 144 yds	14.94	14.19
517-851-1	Green†	Silicone / Rubber	Polyester†	1" x 144 yds	23.66	22.48
517-851-2	Green†	Silicone / Rubber	Polyester†	2" x 144 yds	43.56	41.38



## ASSORTED TAPES

For quantities of 20 and up, 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 36yds	25.47	24.20
517-92	Polyimide Film	Thermosetting Silicone	.75" x 36yds	38.66	36.70
<b>Polyimide Film Tape - Solvent-Resistant</b>					
517-01205-50/36	Polyimide Film	Thermosetting Silicone	.50" x 36yds	21.85	20.32
517-01205	Polyimide Film	Thermosetting Silicone	.75" x 36yds	38.42	34.85
<b>Reverse-Embossed Copper Foil for EMI Shielding</b>					
517-3245	1-mil Alum Foil + Polyester Film	Acrylic Conductive	.75" x 18yds	33.78	29.91
<b>Conductive Anti-Static Tape w/Symbol</b>					
517-40PR-75/36	Polyester Film	Antistatic Polymer	.75" x 36yds	9.09	8.46
517-40PR-75/72	Polyester Film	Antistatic Polymer	.75" x 72yds	18.16	17.25
517-40PR-50/36	Polyester Film	Antistatic Polymer	.50" x 36yds	6.05	5.63
517-40PR-50/72	Polyester Film	Antistatic Polymer	.50" x 72yds	12.08	11.24

## METALLIZED POLYESTER CLOTH TAPE

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

- Adhesive-Acrylic Conductive
- † Coated on Both Sides

For quantities of 20 and up, 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	97.71	86.52
517-X-7001	Copper-Coated Polyester Fabric	.75" x 10.9yds	61.30	54.29



## EMI SHIELDING TAPE ENGINEERING KIT

A unique kit with a variety of foil shielding tapes conveniently at hand for design or prototype needs.

- Compact dispenser box (4 x 4 x 8.3")

For quantities of 5 and up, call for quote.

MOUSER STOCK NO.	Description	Price Each
517-FTK	Contains one 3/4" x 4 yard roll of the following: Part 1170, 1181, 1182, 1183, 1194, 1245, 1267 and 1345	52.40



## 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 of 20 and up, call for quote.

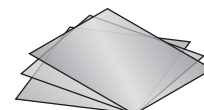
MOUSER STOCK NO.	Description	Size W x L: in.	Price Each	
			1	10
517-1170	3.2 Mil Aluminum Foil, Conductive Acrylic	1" x 18 yds.	54.86	51.02
517-1170-50/18	2.0 Mil Aluminum Foil, Acrylic Conductive	.50" x 18 yds.	24.90	22.90
517-1181-1.0	1.4 Mil Copper Foil, Acrylic Conductive	1" x 18 yds.	47.41	44.09
517-1181-1/2	1.4 Mil Copper Foil with smooth finish	.5" x 18 yds.	23.70	22.04
517-1182	1.4 Mil Copper Foil, Acrylic Conductive Coated	.75" x 18 yds.	40.12	37.32
517-1183	1.4 Mil Tin Plated Copper Foil, Acrylic Conductive	.75" x 18 yds.	38.04	35.37
517-1194	1.4 Mil Copper Foil, Acrylic Non-Conductive	.75" x 18 yds.	28.82	26.80
517-1245-1.0	Embossed Copper Foil, Acrylic Non-Conductive	1" x 18 yds.	38.62	35.92
517-1245-1/2	Embossed Alum. Foil, Acrylic Non-Conductive	.5" x 18 yds.	19.32	17.98
517-1345	Embossed Tin-Plated Copper Foil, Acrylic Non-Conductive	.75" x 18 yds.	40.33	36.67



## 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 of 20 and up, call for quote.

MOUSER STOCK NO.	Specifications	Size	Price Each	
			1	10
517-AB2020	.27mm, -3dB@800MHz to >6GHz	300 x 200mm	19.85	17.58
517-AB5010	0.1mm, -3dB@1.2GHz to >6GHz	8.26 x 10.0"	8.27	7.75
517-AB5020	0.2mm, -3dB@825MHz to >6MHz	8.26 x 10.0"	8.95	8.38
517-AB5030	0.3mm, -3dB@800MHz to >6GHz	8.26 x 10.0"	10.48	9.80
517-AB5050	0.5mm, -3dB@700MHz to >6MHz	8.26 x 10.0"	10.47	9.94
517-AB5100	0.5mm, -3dB@600MHz to >6MHz	8.26 x 10.0"	10.98	10.28
517-AB5010S	0.1mm, -3dB@850MHz to >6GHz	8.26 x 11.8"	9.50	8.90
517-AB5050S	0.5mm, -3dB@650MHz to >6GHz	8.26 x 11.8"	12.03	11.27