

# 3M Electromagnetic Compatible Products

3M EMC products can provide the following:

- EMI/RFI shielding and absorbing
- Static charge grounding
- Anti-static masking
- Cushioning
- Mechanical protection
- Conductive properties for a wide variety of applications



Series	Size	Adhesive Type	Total Thickness mils/mm	Digi-Key Part No.	1	Price Each 5	10	3M Part No.
<b>Aluminum Foil Tape</b>								
1120	1" x 36yds. 1" x 1yd. 6" x 36yds. 6" x 1ft.	Acrylic Conductive	4.0/0.102	3M1120C-ND	29.75	27.20	25.50	1120 X 1"
				3M1120C-1YD-ND	1.65	1.18	1.07	1120 X 1"
				3M1120D-ND	163.20	153.00	142.80	1120 X 6"
1170	1" x 18yds. 1" x 1yd. 6" x 18yds. 6" x 1ft.	Acrylic Conductive	3.2/0.081	3M1170C-ND	51.29	46.90	43.97	1170 X 1"
				3M1170C-1YD-ND	4.48	3.42	3.26	1170 X 1"
				3M1170D-ND	260.16	243.90	227.64	1170 X 6"
1115	1" x 60yds. 1" x 1yd. 6" x 60yds. 6" x 1ft.	Acrylic Conductive	7.0/0.177	3M1115C-ND	68.14	64.13	60.12	1115 X 1"
				3M1115C-1YD-ND	2.34	1.67	1.51	1115 X 1"
				3M1115D-ND	372.74	336.68	312.63	1115 X 6"
AL-36FR	1" x 54yds. 1" x 1yd. 6" x 54yds. 6" x 1ft.	Acrylic Conductive	2.4/0.061	3M3600C-ND	21.00	19.20	18.00	AL-36FR X 1"
				3M3600C-1YD-ND	.77	.55	.50	AL-36FR X 1"
				3M3600D-ND	115.20	108.00	100.80	AL-36FR X 6"
AL-36NC	1" x 54yds. 1" x 1yd. 6" x 54yds. 6" x 1ft.	Acrylic Non-conductive	2.2/0.055	3M3601C-ND	29.75	27.20	25.50	AL-36NC X 1"
				3M3601C-1YD-ND	1.09	.78	.71	AL-36NC X 1"
				3M3601D-ND	163.20	153.00	142.80	AL-36NC X 6"
AL-37BLK	1" x 21.8yds. 1" x 1yd. 6" x 21.8yds. 6" x 1ft.	Acrylic Conductive	2.8/0.071	3M3700C-ND	34.44	31.49	29.52	AL-37BLK X 1"
				3M3700C-1YD-ND	3.16	2.26	2.04	AL-37BLK X 1"
				3M3700D-ND	188.93	177.12	165.32	AL-37BLK X 6"
<b>Copper Foil Tape</b>								
1125	1" x 36yds. 1" x 1yd. 6" x 36yds. 6" x 1ft.	Acrylic Non-conductive	3.5/0.089	3M1125C-ND	27.04	24.72	23.18	1125 X 1"
				3M1125C-1YD-ND	1.50	1.08	.97	1125 X 1"
				3M1125D-ND	151.20	141.75	132.30	1125 X 6"
1126	1" x 1yd. 6" x 36yds. 6" x 1ft.	Acrylic Conductive	3.5/0.089	3M1126C-ND	51.63	47.20	44.25	1126 X 1"
				3M1126C-1YD-ND	2.87	2.05	1.85	1126 X 1"
				3M1126D-ND	283.20	265.50	247.80	1126 X 6"
1181	1" x 18yds. 1" x 1yd. 6" x 18yds. 6" x 1ft.	Acrylic Conductive	2.6/0.066	3M1181C-ND	11.36	9.74	8.44	1181 X 1/4"
				3M1181C-1YD-ND	22.70	19.46	16.87	1181 X 1/2"
				3M1181D-ND	45.40	41.51	38.91	1181 X 1"
1182	1" x 18yds. 1" x 1yd. 6" x 18yds. 6" x 1ft.	Acrylic Conductive, Double Sided	3.5/0.089	3M1182C-ND	3.96	3.03	2.89	1182 X 1"
				3M1182C-1YD-ND	230.21	215.82	201.44	1182 X 6"
				3M1182D-ND	6.66	5.33	4.90	1182 X 6"
1194	1" x 36yds. 1" x 1yd. 6" x 36yds. 6" x 1ft.	Acrylic Non-conductive	2.6/0.066	3M1194C-ND	54.43	49.76	46.65	1194 X 1"
				3M1194C-1YD-ND	4.75	3.63	3.46	1194 X 1"
				3M1194D-ND	276.10	258.84	241.59	1194 X 6"
<b>Tin-plated Copper Foil Tape</b>								
1183	1" x 18yds. 1" x 1yd. 6" x 18yds. 6" x 1ft.	Acrylic Conductive	2.6/0.066	3M1183C-ND	48.55	44.39	41.61	1183 X 1"
				3M1183C-1YD-ND	4.24	3.24	3.09	1183 X 1"
				3M1183D-ND	246.24	230.85	215.46	1183 X 6"
<b>Embossed Copper Foil Tape</b>								
1245	1" x 18yds. 1" x 1yd. 6" x 18yds. 6" x 1ft.	Acrylic Non-conductive	4.0/0.102	3M1245C-ND	39.31	35.94	33.69	1245 X 1"
				3M1245C-1YD-ND	3.74	2.81	2.50	1245 X 1"
				3M1245D-ND	199.39	186.93	174.47	1245 X 6"
<b>Embossed Aluminum Foil Tape</b>								
1267	1" x 18yds. 1" x 1yd. 6" x 18yds. 6" x 1ft.	Acrylic Non-conductive	5.0/0.127	3M1267C-ND	41.09	37.57	35.22	1267 X 1"
				3M1267C-1YD-ND	3.59	2.74	2.61	1267 X 1"
				3M1267D-ND	218.88	205.20	191.52	1267 X 6"

Series	Size	Adhesive Type	Total Thickness mils/mm	Digi-Key Part No.	1	Price Each 5	10	3M Part No.
<b>Embossed Tin-plated Copper Foil Tape</b>								
1345	1" x 18yds. 1" x 1yd. 6" x 18yds. 6" x 1ft.	Acrylic Non-conductive	4.0/0.102	3M1345C-ND	44.12	40.34	37.82	1345 X 1"
				3M1345C-1YD-ND	3.85	2.95	2.81	1345 X 1"
				3M1345D-ND	223.78	209.79	195.81	1345 X 6"
				3M1345D-1FT-ND	6.48	5.18	4.67	1345 X 6"
<b>Silver-coated Polyester Fabric Tape</b>								
AG-2300	1" x 54yds. 1" x 1yd. 6" x 54yds. 6" x 1ft.	Acrylic Conductive	4.3/0.110	3M2300C-ND	142.40	133.50	124.60	AG-2300 X 1"
				3M2300C-1FT-ND	1.91	1.36	1.23	AG-2300 X 1"
				3M2300D-ND	774.30	720.90	694.20	AG-2300 X 6"
<b>Gold-coated Polyester Fabric Tape</b>								
AU-2190	1" x 54yds. 1" x 1yd. 6" x 54yds. 6" x 1ft.	Acrylic Conductive	4.3/0.110	3M2190C-ND	138.59	129.93	121.27	AU-2190 X 1"
				3M2190C-1FT-ND	1.85	1.33	1.20	AU-2190 X 1"
				3M2190D-ND	753.59	701.63	675.64	AU-2190 X 6"
<b>Copper-plated Polyester Ripstop Fabric Tape</b>								
X-7001	1" x 10.9yds. 1" x 1ft. 6" x 10.9yds. 6" x 1ft.	Acrylic Conductive Double Sided	4.3/0.110	3M7001C-ND	83.73	78.80	73.88	X-7001 X 1"
				3M7001C-1FT-ND	4.14	3.17	3.02	X-7001 X 1"
				3M7001D-ND	443.25	413.70	384.15	X-7001 X 6"
				3M7001D-1FT-ND	18.98	15.82	14.92	X-7001 X 6"
<b>Nickel on Copper-plated Polyester Ripstop Fabric Tape</b>								
CN-3190	1" x 54yds. 1" x 1ft. 6" x 54yds. 6" x 1ft.	Acrylic Conductive	4.3/0.110	3M3190C-ND	125.57	117.72	109.88	CN 3190 X 1"
				3M3190C-1FT-ND	1.68	1.20	1.08	CN 3190 X 1"
				3M3190D-ND	682.78	639.69	612.15	CN 3190 X 6"
				3M3190D-1FT-ND	7.20	5.76	5.19	CN 3190 X 6"
<b>eCAP 7830N — PET Fabric Pads, XYZ-AXIS (Conductive Gaskets)</b>								
7830N	9.45" x 54yds. 9.45" x 1ft.	Acrylic Nickel-coated Graphite	0.2mm	3M7830A-ND	891.03	827.39	811.48	ECAP 7830N.2
				3M7830B-ND	1032.58	958.83	940.39	ECAP 7830N.3
7830N	9.45" x 1ft.		0.3mm	3M7830B-1FT-ND	11.28	9.03	8.12	ECAP 7830N.3
<b>EMI Absorber Pads</b>								
AB-5010	8.26" x 16.35yds. 8.26" x 1ft.		0.10mm	3M5100D-ND	845.35	784.97	769.88	AB-5010 X 8.26"
				3M5100D-1FT-ND	24.62	20.93	19.70	AB-5010 X 8.26"
AB-5020	8.26" x 16.35yds. 8.26" x 1ft.		0.20mm	3M5020D-ND	886.09	822.80	806.98	AB-5020 X 8.26"
				3M5020D-1FT-ND	25.81	21.94	20.65	AB-5020 X 8.26"
AB-5030	8.26" x 16.35yds. 8.26" x 1ft.		0.30mm	3M5030D-ND	1018.50	945.75	927.57	AB-5030 X 8.26"
				3M5030D-1FT-ND	29.66	25.22	23.74	AB-5030 X 8.26"
AB-5050	8.26" x 16.35yds. 8.26" x 1ft.		0.50mm	3M5050D-ND	1171.27	1087.61	1066.70	AB-5050 X 8.26"
				3M5050D-1FT-ND	34.11	29.00	27.29	AB-5050 X 8.26"
AB-5100	8.26" x 10.9yds. 8.26" x 1ft.		1.00mm	3M5100D-ND	998.13	926.84	909.02	AB-5100 X 8.26"
				3M5100D-1FT-ND	43.61	37.07	34.89	AB-5100 X 8.26"
<b>High Temperature Polyimide Electrical Tape</b>								
92	1/2" x 36yds. 1" x 36yds.	Silicone	180°C	3M92A-ND	22.56	20.63	19.34	92 X 1/2"
				3M92B-ND	45.12	41.25	38.67	92 X 1"
1093	1/2" x 36yds. 1" x 36yds.	Silicone	180°C	3M1093A-ND	22.56	20.63	19.34	1093 X 1/2"
				3M1093B-ND	45.12	41.25	38.67	1093 X 1"
1205	1/2" x 36yds. 1" x 36yds.	Acrylic	155°C	3M1205A-ND	20.42	18.68	17.51	1205 X 1/2"
				3M1205B-ND	40.86	37.36	35.03	1205 X 1"
1206	1/2" x 36yds. 1" x 36yds.	Acrylic	155°C	3M1206A-ND	20.42	18.68	17.51	1206 X 1/2"
				3M1206B-ND	40.86	37.36	35.03	1206 X 1"
1218	1/2" x 36yds. 1" x 36yds.	Acrylic	180°C	3M1218A-ND	21.88	20.00	18.75	1218 X 1/2"
				3M1218B-ND	43.75	40.00	37.50	1218 X 1"
<b>Tape Dispensers</b>								
Tape Dispenser with weighted base holds tape 6" wide x 6 7/8" max. diameter				3M56W-ND	69.16	63.24	59.28	P56W
Tape Dispenser without weighted base holds tape 8" wide x 7 1/2" max. diameter				3M448-ND	106.57	96.89	93.66	P448
Tape Dispenser holds tape 2" wide x 6" max. dia. (use for transfer tape)				3M712-ND	198.38	185.59	179.19	M712



## RF Transceivers

Description	Package	Digi-Key Part No.	1	Price Each 25	100
<b>RoHS Compliant</b>					
IC Transmitter ASK/FSK/GFSK	24-TSSOP	ADF7012BRUZ-ND	4.50	3.60	2.80
IC Transmitter FSK/ASK ISM Band	48-LFCSOP	ADF7020BCPZ-ND	5.15	4.13	3.21
IC Transmitter FSK/ASK ISM Band	48-LFCSOP	ADF7020-1BCPZ-ND	5.15	4.13	3.21
IC Transceiver ISM High Performance	48-LFCSOP	ADF7021BCPZ-ND	6.10	4.88	4.12
IC Transceiver ISM High Performance	48-LFCSOP	ADF7021-NBCPZ-ND <b>NEW!</b>	6.10	4.88	4.12
ISM Band Low Power, Zero-IF RF Transceiver IC	48-LFCSOP	ADF7025BCPZ-ND	6.10	4.88	4.12
IC Transmitter OOK/FSK ISM Band	24-TSSOP	ADF7901BRUZ-ND	4.50	3.60	2.80

ADF70XX development platform for the ADF702X family of ISM band transceivers. The kit allows you to both evaluate and develop a low power, low data rate, wireless network using any of the ADF702X ISM band transceivers with the ADLISMLINK proprietary protocol. **Development Kit Contents for EVAL-ADF70XXMB2:** • 31 x Controller Board • 3.6V Lithium battery • USB Cable • Serial Port Cable • Demo/Evaluation Software (ADF7020Demo.exe and ADF7020Registers.exe) • Application Development Code (restricted source code) • Comprehensive Documentation **Development Kit Contents for EVAL-ADF70XXMB:** Same as EVAL-ADF70XXMB2 except it does not come with ADLISMLINK and source code.

Description	Digi-Key Part No.	Price Each
Mother Board for ADLISMLINK Development	EVAL-ADF70XXMB2-ND	161.25
Evaluation Board for ADF7010	EVAL-ADF7010EB1-ND	134.16
Evaluation Board DB1 for ADF7012	EVAL-ADF7012DB1-ND	53.75
Evaluation Board DB2 for ADF7012	EVAL-ADF7012DB2-ND	53.75
Evaluation Board DB3 for ADF7012	EVAL-ADF7012DB3-ND	53.75
Evaluation Board DB4 for ADF7012	EVAL-ADF7012DB4-ND	53.75
Daughter Board for ADF7012	EVAL-ADF7012DB25-ND	53.75

Description	Digi-Key Part No.	Price Each
Evaluation Board for ADF7020	EVAL-ADF7020DB21-ND	53.75
Evaluation Board for ADF7020, 433 ~ 445MHz	EVAL-ADF7020DB3-ND	64.50
Evaluation Board for ADF7020, 433 ~ 445MHz	EVAL-ADF7020DB23-ND	53.75
Evaluation Board for ADF7020, 862 ~ 870MHz	EVAL-ADF7020DB22-ND	53.75
Evaluation Board for ADF7020-1, 405 ~ 435MHz	EVAL-ADF7020-1DB4-ND	64.50
Evaluation Board for ADF7020-1, 405 ~ 435MHz	EVAL-ADF7020-1DB24-ND	53.75
Evaluation Board for ADF7020-2, Adjustable Frequencies	EVAL-ADF7020-1DB25-ND	53.75
Evaluation Board for ADF7020-1, 470 ~ 510MHz	EVAL-ADF7020-1DB6-ND	64.50
Evaluation Board for ADF7020-1, 470 ~ 510MHz	EVAL-ADF7020-1DB26-ND	53.75
Evaluation Board for ADF7020-1, 310 ~ 340MHz	EVAL-ADF7020-1DB7-ND	64.50
Evaluation Board for ADF7020-1, 310 ~ 340MHz	EVAL-ADF7020-1DB27-ND	53.75
Evaluation Board for ADF7020-1, 128 ~ 142MHz	EVAL-ADF7020-1DB28-ND	53.75
Evaluation Board for ISM ADF7021	EVAL-ADF7021DB22-ND	53.75
Evaluation Board for ADF7021	EVAL-ADF7021DB25-ND	53.75
Evaluation Board for ADF7021, 608 ~ 614 MHz	EVAL-ADF7021DB26-ND <b>NEW!</b>	53.75
Daughter Board for ADF7021	EVAL-ADF7021DB23-ND	53.75
Evaluation Board for ADF7025	EVAL-ADF7025DB1-ND	64.50
Evaluation Board for ADF7025, 902 ~ 928MHz	EVAL-ADF7025DB21-ND	53.75
Development Kit ADF702X for BF533EKIT	EVAL-ADF70XXEKIT-ND	53.75
Evaluation Board for ADF7901	EVAL-ADF7901EB-ND	90.30