

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



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Series	Size	Adhesive Type	Total Thickness mils/mm	Digi-Key Part No.	1	Price Each 5	10	3M Part No.
Aluminum Foil Tape								
1120	1"x 36yds. 1"x 1yd. 6"x 36yds. 6"x 1ft.	Acrylic Conductive	4.0/0.102	3M1120C-ND	21.60	19.75	18.52	1120 X 1"
				3M1120C-1YD-ND	1.20	.86	.78	1120 X 1"
				3M1120D-ND	118.48	111.08	103.68	1120 X 6"
				3M1120D-1FT-ND	2.40	1.72	1.55	1120 X 6"
1170	1"x 18yds. 1"x 1yd. 6"x 18yds. 6"x 1ft.	Acrylic Conductive	3.2/0.081	3M1170C-ND	38.72	35.41	33.20	1170 X 1"
				3M1170C-1YD-ND	3.38	2.59	2.46	1170 X 1"
				3M1170D-ND	198.88	177.08	165.27	1170 X 6"
				3M1170D-1FT-ND	5.47	4.38	3.94	1170 X 6"
1115	1"x 60yds. 1"x 1yd. 6"x 60yds. 6"x 1ft.	Acrylic Conductive	7.0/0.177	3M1115C-ND	49.47	46.56	43.65	1115 X 1"
				3M1115C-1YD-ND	1.70	1.22	1.10	1115 X 1"
				3M1115D-ND	270.61	244.43	226.97	1115 X 6"
				3M1115D-1FT-ND	2.66	2.04	1.94	1115 X 6"
Polyester-laminated Aluminum Foil Tape								
AL-36FR	1"x 54yds. 1"x 1yd. 6"x 54yds. 6"x 1ft.	Acrylic Conductive	2.4/0.061	3M3600C-ND	15.25	13.94	13.07	AL-36FR X 1"
				3M3600C-1YD-ND	.56	.40	.36	AL-36FR X 1"
				3M3600D-ND	83.64	78.41	73.19	AL-36FR X 6"
				3M3600D-1FT-ND	1.12	.80	.72	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	21.60	19.75	18.52	AL-36NC X 1"
				3M3601C-1YD-ND	.79	.57	.51	AL-36NC X 1"
				3M3601D-ND	118.48	111.08	103.68	AL-36NC X 6"
				3M3601D-1FT-ND	1.58	1.14	1.02	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	25.00	22.86	21.44	AL-37BLK X 1"
				3M3700C-1YD-ND	2.29	1.64	1.48	AL-37BLK X 1"
				3M3700D-ND	137.16	128.59	120.02	AL-37BLK X 6"
				3M3700D-1FT-ND	3.61	2.76	2.63	AL-37BLK X 6"
Copper Foil Tape								
1125	1"x 36yds. 1"x 1yd. 6"x 36yds. 6"x 1ft.	Acrylic Non-conductive	3.5/0.089	3M1125C-ND	19.63	17.95	16.83	1125 X 1"
				3M1125C-1YD-ND	1.09	.78	.71	1125 X 1"
				3M1125D-ND	109.77	102.91	96.05	1125 X 6"
				3M1125D-1FT-ND	2.22	1.59	1.43	1125 X 6"
1126	1"x 36yds. 1"x 1yd. 6"x 36yds. 6"x 1ft.	Acrylic Conductive	3.5/0.089	3M1126C-ND	37.48	34.27	32.13	1126 X 1"
				3M1126C-1YD-ND	2.08	1.49	1.34	1126 X 1"
				3M1126D-ND	205.60	192.76	179.91	1126 X 6"
				3M1126D-1FT-ND	3.27	2.50	2.38	1126 X 6"
1181	1/4"x 18yds. 1/2"x 18yds. 1"x 18yds. 1"x 1yd. 6"x 18yds. 6"x 1ft.	Acrylic Conductive	2.6/0.066	3M1181A-ND	8.87	7.61	6.59	1181 X 1/4"
				3M1181B-ND	17.71	15.18	13.16	1181 X 1/2"
				3M1181C-ND	35.44	32.40	30.38	1181 X 1"
				3M1181C-1YD-ND	3.09	2.37	2.25	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	167.13	156.69	146.24	1182 X 6"
				3M1182D-ND	4.84	3.87	3.49	1182 X 6"
				3M1182C-1YD-ND	42.47	38.84	36.41	1182 X 1"
				3M1182C-1FT-ND	3.71	2.84	2.70	1182 X 1"
1194	1"x 36yds. 1"x 1yd. 6"x 36yds. 6"x 1ft.	Acrylic Non-conductive	2.6/0.066	3M1194C-ND	27.17	24.84	23.29	1194 X 1"
				3M1194C-1YD-ND	1.51	1.08	.97	1194 X 1"
				3M1194D-ND	128.17	120.16	112.15	1194 X 6"
				3M1194D-1FT-ND	2.23	1.67	1.49	1194 X 6"
Tin-plated Copper Foil Tape								
1183	1"x 18yds. 1"x 1yd. 6"x 18yds. 6"x 1ft.	Acrylic Conductive	2.6/0.066	3M1183C-ND	37.89	34.64	32.48	1183 X 1"
				3M1183C-1YD-ND	3.31	2.53	2.41	1183 X 1"
				3M1183D-ND	178.77	167.60	156.43	1183 X 6"
				3M1183D-1FT-ND	5.18	4.14	3.73	1183 X 6"
Embossed Copper Foil Tape								
1245	1"x 18yds. 1"x 1yd. 6"x 18yds. 6"x 1ft.	Acrylic Non-conductive	4.0/0.102	3M1245C-ND	30.67	28.05	26.29	1245 X 1"
				3M1245C-1YD-ND	2.92	2.20	1.95	1245 X 1"
				3M1245D-ND	144.76	135.72	126.67	1245 X 6"
				3M1245D-1FT-ND	4.19	3.36	3.02	1245 X 6"
Embossed Aluminum Foil Tape								
1267	1"x 18yds. 1"x 1yd. 6"x 18yds. 6"x 1ft.	Acrylic Non-conductive	5.0/0.127	3M1267C-ND	32.07	29.32	27.49	1267 X 1"
				3M1267C-1YD-ND	2.80	2.14	2.04	1267 X 1"
				3M1267D-ND	158.91	148.98	139.05	1267 X 6"
				3M1267D-1FT-ND	4.60	3.68	3.32	1267 X 6"

Series	Size	Adhesive Type	Total Thickness mils/mm	Digi-Key Part No.	1	Price Each 5	10	3M Part No.
Embossed Tin-plated Copper Foil Tape								
1345	1"x 18yds. 1"x 1yd. 6"x 18yds. 6"x 1ft.	Acrylic Non-conductive	4.0/0.102	3M1345C-ND	34.43	31.48	29.52	1345 X 1"
				3M1345C-1YD-ND	3.01	2.30	2.19	1345 X 1"
				3M1345D-ND	162.46	152.31	142.16	1345 X 6"
				3M1345D-1FT-ND	4.70	3.76	3.39	1345 X 6"
Silver-coated Polyester Fabric Tape								
AG-2300	1"x 54yds. 1"x 1yd. 6"x 54yds. 6"x 1ft.	Acrylic Conductive	4.3/0.110	3M2300C-ND	103.38	96.93	90.46	AG-2300 X 1"
				3M2300C-1FT-ND	1.39	.99	.89	AG-2300 X 1"
				3M2300D-ND	562.14	523.38	503.99	AG-2300 X 6"
				3M2300D-1FT-ND	5.93	4.75	4.27	AG-2300 X 6"
Gold-coated Polyester Fabric Tape								
AU-2190	1"x 54yds. 1"x 1ft. 6"x 54yds. 6"x 1ft.	Acrylic Conductive	4.3/0.110	3M2190C-ND	100.62	94.33	88.05	AU-2190 X 1"
				3M2190C-1FT-ND	1.34	.97	.87	AU-2190 X 1"
				3M2190D-ND	547.11	509.38	490.52	AU-2190 X 6"
				3M2190D-1FT-ND	5.77	4.62	4.16	AU-2190 X 6"
Copper-plated Polyester Ripstop Fabric Tape								
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	60.79	57.21	53.64	X-7001 X 1"
				3M7001C-1FT-ND	3.01	2.30	2.19	X-7001 X 1"
				3M7001D-ND	321.80	300.35	278.90	X-7001 X 6"
				3M7001D-1FT-ND	13.78	11.48	10.83	X-7001 X 6"
Nickel on Copper-plated Polyester Ripstop Fabric Tape								
CN-3190	1"x 54yds. 1"x 1ft. 6"x 54yds. 6"x 1ft.	Acrylic Conductive	4.3/0.110	3M3190C-ND	91.16	85.47	79.77	CN 3190 X 1"
				3M3190C-1FT-ND	1.22	.88	.79	CN 3190 X 1"
				3M3190D-ND	495.70	461.51	444.42	CN 3190 X 6"
				3M3190D-1FT-ND	5.23	4.19	3.77	CN 3190 X 6"
eCAP 7830N — PET Fabric Pads, XYZ-AXIS (Conductive Gaskets)								
7830N	9.45" x 5.45yds. 9.45" x 1ft.	Acrylic Nickel-coated Graphite	0.2mm	3M7830A-ND	646.89	600.69	589.13	ECAP 7830N .2
				3M7830B-ND	7.06	5.66	5.09	ECAP 7830N .2
7830N	9.45" x 5.45yds. 9.45" x 1ft.	Acrylic Nickel-coated Graphite	0.3mm	3M7830B-ND	749.65	696.11	682.73	ECAP 7830N .3
				3M7830B-1FT-ND	8.19	6.55	5.90	ECAP 7830N .3
EMI Absorber Pads								
AB-5010	8.26" x 16.35yds. 8.26" x 1ft.	Acrylic Non-conductive	0.10mm	3M5010D-ND	613.72	569.89	558.93	AB-5010 X 8.26"
				3M5010D-1FT-ND	17.87	15.20	14.30	AB-5010 X 8.26"
AB-5020	8.26" x 16.35yds. 8.26" x 1ft.	Acrylic Non-conductive	0.20mm	3M5020D-ND	643.30	597.35	585.87	AB-5020 X 8.26"
				3M5020D-1FT-ND	18.74	15.93	14.99	AB-5020 X 8.26"
AB-5030	8.26" x 16.35yds. 8.26" x 1ft.	Acrylic Non-conductive	0.30mm	3M5030D-ND	739.43	686.62	673.42	AB-5030 X 8.26"
				3M5030D-1FT-ND	21.53	18.31	17.23	AB-5030 X 8.26"
AB-5050	8.26" x 16.35yds. 8.26" x 1ft.	Acrylic Non-conductive	0.50mm	3M5050D-ND	850.34	789.61	774.42	AB-5050 X 8.26"
				3M5050D-1FT-ND	24.76	21.06	19.82	AB-5050 X 8.26"
AB-5100	8.26" x 10.9yds. 8.26" x 1ft.	Acrylic Non-conductive	1.00mm	3M5100D-ND	724.64	672.89	659.95	AB-5100 X 8.26"
				3M5100D-1FT-ND	31.66	26.91	25.33	AB-5100 X 8.26"

Series	Size	Adhesive Type	Temperature Rating	Digi-Key Part No.	1	Price Each 5	10	3M Part No.	
High Temperature Polyimide Electrical Tape									
92	1/2" x 36yds. 1" x 36yds.	Silicone	180°C	3M92A-ND	17.04	15.58	14.61	92 X 1/2"	
				3M92B-ND	34.06	31.15	29.20	92 X 1"	
1093	1/2" x 36yds. 1" x 36yds.	Silicone	180°C	3M1093A-ND	17.04	15.58	14.61	1093 X 1/2"	
				3M1093B-ND	34.06	31.15	29.20	1093 X 1"	
1205	1/2" x 36yds. 1" x 36yds.	Acrylic	155°C	3M1205A-ND	15.43	14.11	13.22	1205 X 1/2"	
				3M1205B-ND	30.85	28.21	26.45	1205 X 1"	
1206	1/2" x 36yds. 1" x 36yds.	Acrylic	155°C	3M1206A-ND	14.82	13.56	12.71	1206 X 1/2"	
				3M1206B-ND	29.66	27.13	25.43	1206 X 1"	
1218	1/2" x 36 yds. 1" x 36 yds.	Acrylic	180°C	3M1218A-ND	15.88	14.52	13.62	1218 X 1/2"	
				3M1218B-ND	31.76	29.04	27.23	1218 X 1"	
Tape Dispensers									
Tape Dispenser with weighted base holds tape 6" wide x 6 7/8" max. diameter					3M56W-ND	55.36	50.61	47.45	P56W
Tape Dispenser without weighted base holds tape 8" wide x 7 1/2" max. diameter					3M448-ND	85.31	77.55	74.97	P448
Tape Dispenser holds tape 2" wide x 6" max. dia. (use for transfer tape)					3M712-ND	158.79	148.55	143.43	M712



RF Transceivers

Description	Package	Digi-Key Part No.	1	Price Each 25	100
RoHS Compliant					
IC Transmitter ASK/FSK/GFSK	24-TSSOP	ADF7012BRUZ-ND	3.30	2.64	2.06
IC Transmitter FSK/ASK ISM Band	48-LFCSOP	ADF7020BCPZ-ND	3.79	3.04	2.36
IC Transmitter FSK/ASK ISM Band	48-LFCSOP	ADF7020-1BCPZ-ND	3.79	3.04	2.36
IC Transceiver ISM High Performance	48-LFCSOP	ADF7021BCPZ-ND	4.49	3.59	3.03
IC Transceiver ISM High Performance	48-LFCSOP	ADF7021-NBCPZ-ND	4.49	3.59	3.03
ISM Band Low Power, Zero-IF RF Transceiver IC	48-LFCSOP	ADF7025BCPZ-ND	4.49	3.59	3.03
IC Transmitter OOK/FSK ISM Band	24-TSSOP	ADF7901BRUZ-ND	3.30	2.64	2.06

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-ADF70XXMB2Z-ND	118.48
Evaluation Board for ADF7010	EVAL-ADF7010EB1-ND	98.57
Evaluation Board DB1 for ADF7012	EVAL-ADF7012DBZ1-ND	39.49
Evaluation Board DB2 for ADF7012	EVAL-ADF7012DBZ2-ND	39.49
Evaluation Board DB3 for ADF7012	EVAL-ADF7012DBZ3-ND	39.49
Evaluation Board DB4 for ADF7012	EVAL-ADF7012DBZ4-ND	39.49
Daughter Board for ADF7012	EVAL-ADF7012DBZ5-ND	39.49