

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.	Price Each	1	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	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"	
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	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 21yds. 1" x 1yd. 6" x 21yds. 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"	
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	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 36yds. 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	1/4" 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	12.22	10.47	9.08	1181 X 1/4"	
				3M1181B-ND	24.40	20.91	18.13	1181 X 1/2"	
				3M1181C-ND	48.81	44.63	41.84	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	58.50	53.49	50.15	1182 X 1"	
				3M1182C-1YD-ND	5.11	3.90	3.72	1182 X 1"	
				3M1182D-ND	276.10	258.84	241.59	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	37.42	34.21	32.07	1194 X 1"	
				3M1194C-1YD-ND	2.08	1.49	1.34	1194 X 1"	
				3M1194D-ND	176.54	165.51	154.48	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	52.19	47.72	44.73	1183 X 1"	
				3M1183C-1YD-ND	4.56	3.48	3.32	1183 X 1"	
				3M1183D-ND	246.24	230.85	215.46	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	42.25	38.63	36.21	1245 X 1"	
				3M1245C-1YD-ND	4.02	3.02	2.69	1245 X 1"	
				3M1245D-ND	199.39	186.93	174.47	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	44.17	40.39	37.86	1267 X 1"	
				3M1267C-1YD-ND	3.86	2.95	2.81	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.	Price Each	1	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	47.43	43.36	40.65	1345 X 1"	
				3M1345C-1YD-ND	4.14	3.17	3.02	1345 X 1"	
				3M1345D-ND	223.78	209.79	195.81	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	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"	
Gold-coated Polyester Fabric Tape									
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"	
Copper-plated Polyester Ripstop Fabric Tape									
X-7001	1" x 10.9yds. 1" x 1yd. 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"	
Nickel on Copper-plated Polyester Ripstop Fabric Tape									
CN-3190	1" x 54yds. 1" x 1yd. 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	635.69	612.15	CN 3190 X 6"	
eCAP 7830N — PET Fabric Pads, XYZ-AXIS (Conductive Gaskets)									
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	
EMI Absorber Pads									
AB-5010	8.26" x 16.35yds. 8.26" x 1ft.	Acrylic Non-conductive	0.10mm	3M5010D-ND	845.35	784.97	769.88	AB-5010 X 8.26"	
				3M5010D-1FT-ND	24.62	20.93	19.70	AB-5010 X 8.26"	
AB-5020	8.26" x 16.35yds. 8.26" x 1ft.	Acrylic Non-conductive	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.	Acrylic Non-conductive	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.	Acrylic Non-conductive	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.	Acrylic Non-conductive	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"	
High Temperature Polyimide Electrical Tape									
92	1/2" x 36yds. 1" x 36yds.	Silicone	180°C	3M92A-ND	23.47	21.46	20.12	92 X 1/2"	
				3M92B-ND	46.92	42.90	40.22	92 X 1"	
1093	1/2" x 36yds. 1" x 36yds.	Silicone	180°C	3M1093A-ND	23.47	21.46	20.12	1093 X 1/2"	
				3M1093B-ND	46.92	42.90	40.22	1093 X 1"	
1205	1/2" x 36yds. 1" x 36yds.	Acrylic	155°C	3M1205A-ND	21.25	19.43	18.21	1205 X 1/2"	
				3M1205B-ND	42.49	38.85	36.42	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"	
Tape Dispensers									
Tape Dispenser with weighted base holds tape 6" wide x 6 7/8" max. diameter				3M56W-ND	76.25	69.72	65.36	P56W	
Tape Dispenser without weighted base holds tape 8" wide x 7 1/2" max. diameter				3M448-ND	117.50	106.82	103.26	P448	
Tape Dispenser holds tape 2" wide x 6" max. dia. (use for transfer tape)				3M712-ND	218.72	204.61	197.56	M712	



RF Transceivers

Description	Package	Digi-Key Part No.	Price Each	1	25	100
RoHS Compliant						
IC Transmitter ASK/FSK/GFSK	24-TSSOP	ADF7012BRUZ-ND	4.55	3.64	2.83	
IC Transmitter FSK/ASK ISM Band	48-LFCSOP	ADF7020BCPZ-ND	5.22	4.18	3.25	
IC Transmitter FSK/ASK ISM Band	48-LFCSOP	ADF7020-1BCPZ-ND	5.22	4.18	3.25	
IC Transceiver ISM High Performance	48-LFCSOP	ADF7021BCPZ-ND	6.18	4.95	4.18	
IC Transceiver ISM High Performance	48-LFCSOP	ADF7021-NBCPZ-ND	6.18	4.95	4.18	
ISM Band Low Power, Zero-IF RF Transceiver IC	48-LFCSOP	ADF7025BCPZ-ND	6.18	4.95	4.18	
IC Transmitter OOK/FSK ISM Band	24-TSSOP	ADF7901BRUZ-ND	4.55	3.64	2.83	

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	163.19
Evaluation Board for ADF7010	EVAL-ADF7010EB1-ND	135.77
Evaluation Board DB1 for ADF7012	EVAL-ADF7012DB1-ND	54.40
Evaluation Board DB2 for ADF7012	EVAL-ADF7012DB2-ND	54.40
Evaluation Board DB3 for ADF7012	EVAL-ADF7012DB3-ND	54.40
Evaluation Board DB4 for ADF7012	EVAL-ADF7012DB4-ND	54.40
Daughter Board for ADF7012	EVAL-ADF7012DB25-ND	54.40

Description	Digi-Key Part No.	Price Each
Evaluation Board for ADF7020	EVAL-ADF7020DB21-ND	54.40
Evaluation Board for ADF7020, 433 - 445MHz	EVAL-ADF7020DB3-ND	64.50
Evaluation Board for ADF7020, 433 - 445MHz	EVAL-ADF7020DB23-ND	54.40
Evaluation Board for ADF7020, 862 - 870MHz	EVAL-ADF7020DB22-ND	54.40
Evaluation Board for ADF7020-1, 405 - 435MHz	EVAL-ADF7020-1DB4-ND	64.50
Evaluation Board for ADF7020-1, 405 - 435MHz	EVAL-ADF7020-1DB4-ND	64.50
Evaluation Board for ADF7020-2, Adjustable Frequencies	EVAL-ADF7020-1DB25-ND	54.40
Evaluation Board for ADF7020-1, 470 - 510MHz	EVAL-ADF7020-1DB6-ND	64.50
Evaluation Board for ADF7020-1, 470 - 510MHz	EVAL-ADF7020-1DB26-ND	54.40
Evaluation Board for ADF7020-1, 310 - 340MHz	EVAL-ADF7020-1DB7-ND	64.50
Evaluation Board for ADF7020-1, 310 - 340MHz	EVAL-ADF7020-1DB27-ND	54.40
Evaluation Board for ADF7020-1, 128 - 142MHz	EVAL-ADF7020-1DB28-ND	54.40
Evaluation Board for ISM ADF7021	EVAL-ADF7021DB22-ND	54.40
Evaluation Board for ADF7021	EVAL-ADF7021DB25-ND	54.40
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