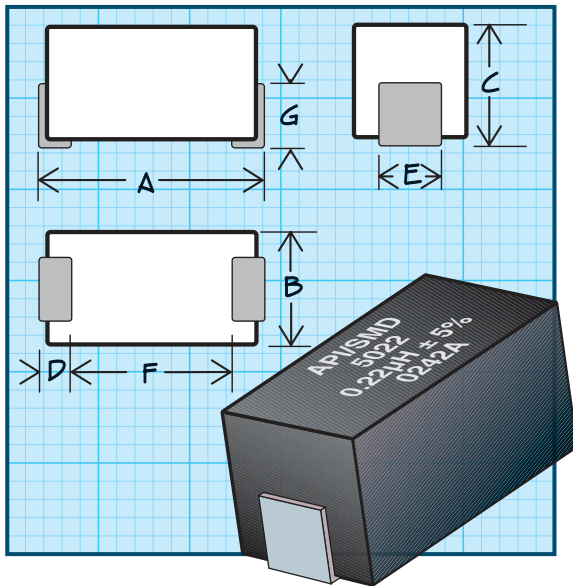


Series 5022

Surface Mountable Inductors



Physical Parameters

	Inches	Millimeters
A	0.490 to 0.520	12.44 to 13.21
B	0.230 to 0.250	5.84 to 6.35
C	0.210 to 0.230	5.33 to 5.84
D	0.050 Min.	1.27 Min.
E	0.055 to 0.095	1.397 to 2.413
F	0.330 (Ref. only)	8.38 (Ref. only)
G	0.120 (Ref. only)	3.04 (Ref. only)

Weight Max. (Grams) 1.5

Mechanical Configuration Units are encapsulated in an epoxy molded surface mount package.

Operating Temperature Range -55°C to +125°C

Current Rating at 90°C Ambient 35°C Rise

Maximum Power Dissipation at 90°C 0.405 W

Packaging Tape & reel (24mm): 13" reel, 800 pieces max.; 7" reel not available

Made In the U.S.A. Patent Protected

SERIES 5022 PHENOLIC CORE						
PART NUMBER	INDUCTANCE (µH) ± 5%	Q MINIMUM	TEST FREQUENCY (MHz)	SRF MINIMUM (MHz)	DC RESISTANCE MAXIMUM (OHMS)	CURRENT RATING MAX. (mA)
5022-151J	0.15	50	25.0	525	0.030	3500
5022-161J	0.16	50	25.0	525	0.040	3025
5022-181J	0.18	50	25.0	500	0.043	2915
5022-201J	0.20	50	25.0	475	0.047	2790
5022-221J	0.22	50	25.0	450	0.055	2580
5022-241J	0.24	45	25.0	415	0.060	2470
5022-271J	0.27	45	25.0	400	0.070	2285
5022-301J	0.30	45	25.0	380	0.080	2140
5022-331J	0.33	45	25.0	360	0.090	2015
5022-361J	0.36	45	25.0	345	0.098	1935
5022-391J	0.39	45	25.0	330	0.100	1915
5022-431J	0.43	45	25.0	315	0.110	1825
5022-471J	0.47	45	25.0	310	0.120	1750
5022-511J	0.51	45	25.0	300	0.130	1680
5022-561J	0.56	50	25.0	280	0.135	1645
5022-621J	0.62	50	25.0	260	0.140	1615
5022-681J	0.68	50	25.0	250	0.150	1555
5022-751J	0.75	50	25.0	230	0.180	1425
5022-821J	0.82	50	25.0	220	0.220	1300
5022-911J	0.91	50	25.0	210	0.240	1240
5022-102J	1.00	50	25.0	200	0.290	1125
5022-112J	1.10	33	7.9	190	0.420	930
5022-122J	1.20	33	7.9	180	0.420	930
5022-132J	1.30	33	7.9	170	0.480	875
5022-152J	1.50	33	7.9	160	0.500	855
5022-162J	1.60	33	7.9	155	0.600	780
5022-182J	1.80	33	7.9	150	0.650	755
5022-202J	2.00	33	7.9	140	0.800	675
5022-222J	2.20	33	7.9	135	0.950	620
5022-242J	2.40	33	7.9	130	1.100	575
5022-272J	2.70	33	7.9	120	1.200	550
5022-302J	3.00	33	7.9	115	1.800	455
5022-332J	3.30	33	7.9	110	2.000	430
5022-362J	3.60	33	7.9	105	2.150	415
5022-392J	3.90	33	7.9	100	2.300	395
5022-432J	4.30	33	7.9	95	2.400	390
5022-472J	4.70	33	7.9	90	2.600	375

Optional Tolerances: H = 3% G = 2% F = 1%

Series 5022

Surface Mountable Inductors

PART NUMBER	INDUCTANCE (μ H) \pm 5%	Q MINIMUM	TEST FREQUENCY (MHz)	SRF MINIMUM (MHz)	DC RESISTANCE MAXIMUM (OHMS)	CURRENT RATING MAX. (mA)
SERIES 5022 IRON CORE						
5022-512J	5.10	35	7.9	65	0.300	1040
5022-562J	5.60	45	7.9	60	0.320	1030
5022-622J	6.20	45	7.9	60	0.470	830
5022-682J	6.80	50	7.9	55	0.500	820
5022-752J	7.50	50	7.9	55	0.550	765
5022-822J	8.20	50	7.9	50	0.600	748
5022-912J	9.10	55	7.9	50	0.800	638
5022-103J	10.0	55	7.9	45	0.900	610
5022-113J	11.0	60	2.5	44	1.050	565
5022-123J	12.0	65	2.5	42	1.100	555
5022-133J	13.0	65	2.5	40	1.200	520
5022-153J	15.0	65	2.5	40	1.400	495
5022-163J	16.0	70	2.5	38	1.800	420
5022-183J	18.0	75	2.5	34	2.250	388
5022-203J	20.0	75	2.5	30	2.500	372
5022-223J	22.0	75	2.5	30	2.500	368
5022-243J	24.0	60	2.5	26	2.500	368
5022-273J	27.0	60	2.5	25	2.600	360
5022-303J	30.0	65	2.5	21	2.800	348
5022-333J	33.0	65	2.5	19	3.000	337
5022-363J	36.0	60	2.5	15.5	2.500	368
5022-393J	39.0	60	2.5	14.5	2.600	361
5022-433J	43.0	60	2.5	13.7	2.700	353
5022-473J	47.0	55	2.5	13.0	2.750	351
5022-513J	51.0	55	2.5	12.7	2.850	344
5022-563J	56.0	55	2.5	12.0	3.000	335
5022-623J	62.0	55	2.5	11.5	3.150	328
5022-683J	68.0	55	2.5	11.0	3.300	320
5022-753J	75.0	55	2.5	10.5	3.700	302
5022-823J	82.0	50	2.5	10.3	3.900	295
5022-913J	91.0	50	2.5	10.0	4.300	280
5022-104J	100.0	50	2.5	9.5	4.500	275
5022-114J	110.0	60	0.79	8.9	4.900	262
5022-124J	120.0	65	0.79	8.7	5.200	255
5022-134J	130.0	65	0.79	8.5	5.450	250
5022-154J	150.0	65	0.79	8.0	6.050	237
5022-164J	160.0	65	0.79	7.5	6.400	230
5022-184J	180.0	65	0.79	7.0	6.750	224
5022-204J	200.0	65	0.79	6.5	7.100	219
5022-224J	220.0	65	0.79	6.2	7.450	213
5022-244J	240.0	65	0.79	5.9	7.800	210
5022-274J	270.0	65	0.79	5.7	11.000	182
5022-304J	300.0	65	0.79	5.4	11.500	178
5022-334J	330.0	65	0.79	5.1	12.000	173
5022-364J	360.0	65	0.79	4.8	12.500	171
5022-394J	390.0	65	0.79	4.5	16.300	149
5022-434J	430.0	65	0.79	4.2	17.100	147
5022-474J	470.0	65	0.79	3.9	17.900	143
5022-514J	510.0	65	0.79	3.7	18.800	139
5022-564J	560.0	65	0.79	3.8	19.500	136
5022-624J	620.0	65	0.79	3.3	25.900	119
5022-684J	680.0	65	0.79	3.1	27.200	116
5022-754J	750.0	65	0.79	2.9	28.600	112
5022-824J	820.0	65	0.79	2.7	30.000	110
5022-914J	910.0	65	0.79	2.5	31.500	107
5022-105J	1000.0	65	0.79	2.3	33.000	105
OPTIONAL TOLERANCES: H=3% G=2% F=1%						