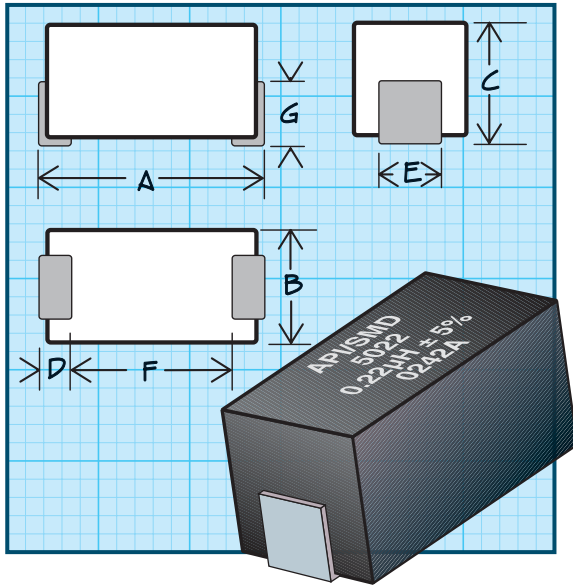


Series 5022R 5022

RoHS
Compliant

Traditional
First Quality

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 Watts

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

Made In the U.S.A. Patent Protected

DASH NUMBER

INDUCTANCE
(μ H) \pm 5%

Q MINIMUM

TEST FREQUENCY (MHz)

SRF MINIMUM (MHz)

DC RESISTANCE
MAXIMUM (OHMS)

CURRENT RATING
MAX. (mA)

SERIES 5022 PHENOLIC CORE

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

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

*Complete part # must include series # PLUS the dash #

For further surface finish information,
refer to TECHNICAL section of this catalog.

RF INDUCTORS

Series 5022R 5022

RoHS
Compliant

Traditional
First Quality

Surface Mountable Inductors

RF INDUCTORS

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

OPTIONAL TOLERANCES: H=3% G=2% F=1%

*Complete part # must include series # PLUS the dash #

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