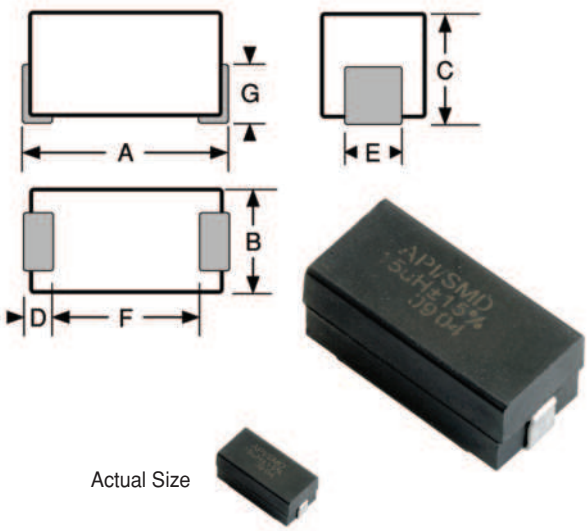
SERIES 5022R 5022

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 W

Marking Delevan; 5022; dash number; date code (YYWWL). Note: An R before the date code indicates a RoHS component.
Example: 5022R-102G

DELEVAN
5022
102
R0542A

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

Made In the U.S.A.

DASH NUMBER*	INDUCTANCE (µH) ±5%	Q MINIMUM	TEST FREQUENCY (MHz)	SRF MINIMUM (MHz)	DC RESISTANCE MAXIMUM (OHMS)	CURRENT RATING MAXIMUM (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 #

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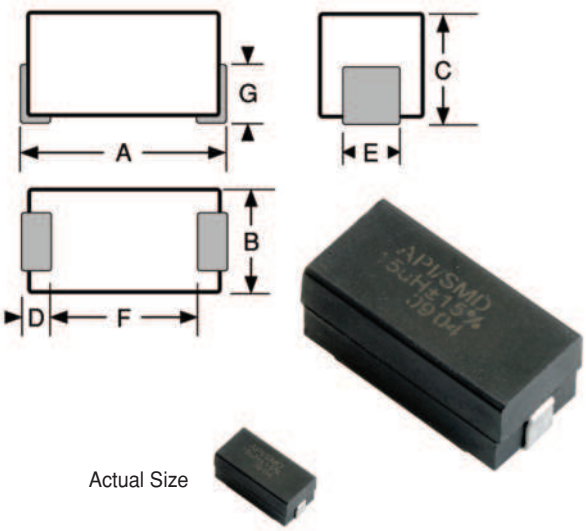
API Delevan®

SERIES 5022R 5022

RoHS Compliant

Traditional First Quality

Surface Mountable Inductors



DASH NUMBER*	INDUCTANCE (µH) ±10%	Q MINIMUM	TEST FREQUENCY (MHz)	SRF MINIMUM (MHz)	DC RESISTANCE MAXIMUM (OHMS)	CURRENT RATING MAXIMUM (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

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