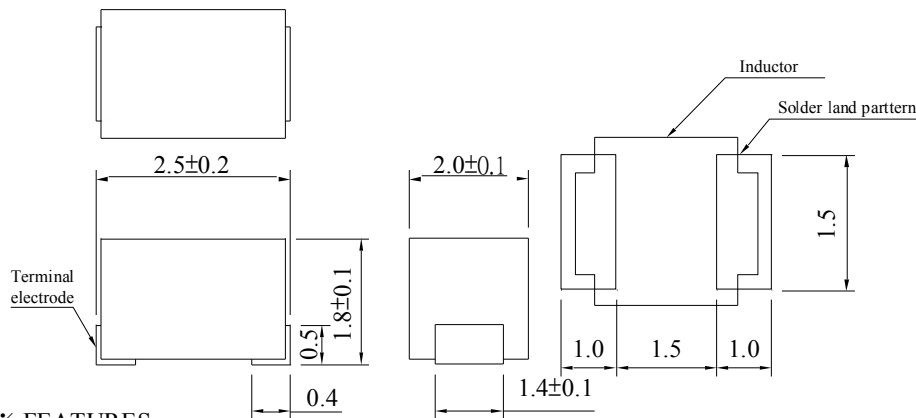


【NL252018-SERIES】

DIMENSIONS & RECOMMENDED PATTERN



Unit: mm

※ FEATURES

- Applications : audio-visual equipment including TVs, VCR and digital cameras, electronic equipment used in communication infrastructures including xDSL and mobil base stations, electronic equipment used in onboard automobile equipment including car audio and ECU systems, and other electronic equipment including HDDs and ODDs

SELECTION GUIDE FOR STANDARD COILS

GENERIC Part Number	Inductance	Tolerance	Q	SRF	DC Resistance	Inductance Decrease Current
	(μ H)	(%)	Min	(MHz) Min	(Ω) Max	(A) Max
NL252018 - 10J	0.010	± 5%	15	2150	0.26	0.530
NL252018 - 12J	0.012	± 5%	15	2050	0.27	0.500
NL252018 - 15J	0.015	± 5%	15	2000	0.29	0.480
NL252018 - 18J	0.018	± 5%	15	1850	0.31	0.450
NL252018 - 22J	0.022	± 5%	15	1650	0.37	0.420
NL252018 - 27J	0.027	± 5%	15	1550	0.40	0.410
NL252018 - 33J	0.033	± 5%	20	1450	0.42	0.400
NL252018 - 39J	0.039	± 5%	20	1350	0.45	0.380
NL252018 - 47J	0.047	± 5%	20	1200	0.50	0.360
NL252018 - 56J	0.056	± 5%	20	1100	0.60	0.340
NL252018 - 68J	0.068	± 5%	20	1050	0.65	0.320
NL252018 - 82J	0.082	± 5%	20	900	0.75	0.300
NL252018 - R10J	0.100	± 5%	20	800	0.80	0.280
NL252018 - R12J	0.120	± 5%	30	700	0.30	0.550
NL252018 - R15J	0.150	± 5%	30	550	0.35	0.500
NL252018 - R18J	0.180	± 5%	30	500	0.40	0.460
NL252018 - R22J	0.220	± 5%	30	450	0.50	0.430
NL252018 - R27J	0.270	± 5%	30	425	0.55	0.420
NL252018 - R33J	0.330	± 5%	30	400	0.60	0.400
NL252018 - R39J	0.390	± 5%	30	375	0.65	0.375

【NL252018-SERIES】

SELECTION GUIDE FOR STANDARD COILS

GENERIC Part Number	Inductance	Tolerance	Q	SRF	DC Resistance	Inductance Decrease Current
	(μ H)	(%)	Min	(MHz) Min	(Ω) Max	(A) Max
NL252018 - R47J	0.470	$\pm 5\%$	30	350	0.68	0.350
NL252018 - R56J	0.560	$\pm 5\%$	30	325	0.75	0.325
NL252018 - R68J	0.680	$\pm 5\%$	30	300	0.85	0.300
NL252018 - R82J	0.820	$\pm 5\%$	30	260	1.00	0.260
NL252018 - 1R0J	1.000	$\pm 5\%$	30	245	1.10	0.245
NL252018 - 1R2J	1.200	$\pm 5\%$	30	230	1.20	0.230
NL252018 - 1R5J	1.500	$\pm 5\%$	30	182	1.30	0.220
NL252018 - 1R8J	1.800	$\pm 5\%$	30	135	1.45	0.210
NL252018 - 2R2J	2.200	$\pm 5\%$	30	105	1.55	0.200
NL252018 - 2R7J	2.700	$\pm 5\%$	30	70	1.70	0.195
NL252018 - 3R3J	3.300	$\pm 5\%$	30	55	1.90	0.185
NL252018 - 3R9J	3.900	$\pm 5\%$	30	48	2.10	0.180
NL252018 - 4R7J	4.700	$\pm 5\%$	30	43	2.30	0.175
NL252018 - 5R6J	5.600	$\pm 5\%$	25	42	2.50	0.170
NL252018 - 6R8J	6.800	$\pm 5\%$	25	39	2.70	0.165
NL252018 - 8R2J	8.200	$\pm 5\%$	25	36	3.05	0.160
NL252018 - 100J	10.000	$\pm 5\%$	25	33	3.50	0.155
NL252018 - 120J	12.000	$\pm 5\%$	25	30	3.80	0.150
NL252018 - 150J	15.000	$\pm 5\%$	25	26	4.40	0.140
NL252018 - 180J	18.000	$\pm 5\%$	25	24	4.80	0.130
NL252018 - 220J	22.000	$\pm 5\%$	25	22	5.50	0.125
NL252018 - 270J	27.000	$\pm 5\%$	25	21	6.30	0.115
NL252018 - 330J	33.000	$\pm 5\%$	25	20	7.10	0.110
NL252018 - 390J	39.000	$\pm 5\%$	20	18	9.50	0.090
NL252018 - 470J	47.000	$\pm 5\%$	20	17	11.10	0.080
NL252018 - 560J	56.000	$\pm 5\%$	20	16	12.10	0.075
NL252018 - 680J	68.000	$\pm 5\%$	20	15	16.60	0.070
NL252018 - 820J	82.000	$\pm 5\%$	20	13	19.00	0.066
NL252018 - 101J	100.000	$\pm 5\%$	15	12	21.00	0.060

※ GENERAL SPECIFICATION:

- a. Operating temperature : $-40^{\circ}\text{C} \sim +105^{\circ}\text{C}$
- b. Resistance to solder heat : $260^{\circ}\text{C} \cdot 10 \text{ SEC.}$
- c. Test Freq. : $0.01\mu\text{H} \sim 0.1\mu\text{H} - 100\text{MHz}$; $0.12\mu\text{H} \sim 0.82\mu\text{H} - 25.2\text{MHz}$; $1.0\mu\text{H} \sim 8.2\mu\text{H} - 7.96\text{MHz}$;
 $10\mu\text{H} \sim 82\mu\text{H} - 2.52\text{MHz}$; $100\mu\text{H} - 0.796\text{MHz}$