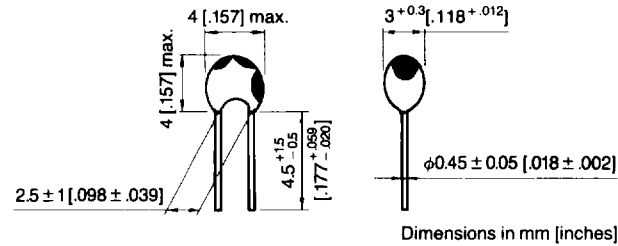


Inductors

FIXED INDUCTORS

RADIAL LEAD TYPE, EL SERIES

EL0304 TYPE



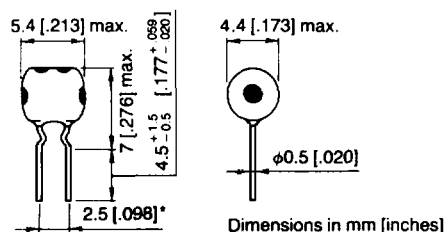
CHARACTERISTICS

Operating temperature range	- 20 to + 80°C [- 4 to + 176°F] (including self-temperature rise, 20°C [36°F] max.)
Dielectric withstanding voltage	250 Vrms
Rated current	Based on inductance change rate (10% drop in initial value)
Terminal tensile strength	0.5kg min.
Terminal bending strength	0.5kg min.
Moisture resistance characteristics	$\Delta L/L \leq \pm 5\%$ $\Delta Q/Q \leq \pm 25\%$

ELECTRICAL CHARACTERISTICS

Part No.	Inductance (μ H)	Q min.	Test frequency L, Q (MHz)	Self-resonant frequency (MHz) min.	DC resistance (Ω) max.	Rated current (mA) max.
EL0304-R22M	0.22 $\pm$ 20%	30	25.2	220	0.18	745
EL0304-R27M	0.27 $\pm$ 20%	30	25.2	190	0.2	700
EL0304-R33M	0.33 $\pm$ 20%	30	25.2	160	0.24	645
EL0304-R39M	0.39 $\pm$ 20%	30	25.2	140	0.26	620
EL0304-R47M	0.47 $\pm$ 20%	30	25.2	120	0.29	585
EL0304-R56M	0.56 $\pm$ 20%	30	25.2	110	0.33	550
EL0304-R68M	0.68 $\pm$ 20%	30	25.2	94	0.37	515
EL0304-R82M	0.82 $\pm$ 20%	40	25.2	83	0.42	485
EL0304-1R0K	1 $\pm$ 10%	40	7.96	74	0.45	470
EL0304-1R2K	1.2 $\pm$ 10%	40	7.96	66	0.5	445
EL0304-1R5K	1.5 $\pm$ 10%	40	7.96	58	0.58	415
EL0304-1R8K	1.8 $\pm$ 10%	40	7.96	52	0.64	395
EL0304-2R2K	2.2 $\pm$ 10%	40	7.96	45	0.72	365
EL0304-2R7K	2.7 $\pm$ 10%	40	7.96	41	0.86	340
EL0304-3R3K	3.3 $\pm$ 10%	40	7.96	37	0.92	325
EL0304-3R9K	3.9 $\pm$ 10%	40	7.96	34	1	315
EL0304-4R7K	4.7 $\pm$ 10%	40	7.96	31	1.1	300
EL0304-5R6K	5.6 $\pm$ 10%	40	7.96	28	1.2	285
EL0304-6R8K	6.8 $\pm$ 10%	40	7.96	26	1.4	265
EL0304-8R2K	8.2 $\pm$ 10%	40	7.96	23	1.6	250
EL0304-100K	10 $\pm$ 10%	40	2.52	21	1.7	240
EL0304-120K	12 $\pm$ 10%	40	2.52	19	1.9	225
EL0304-150K	15 $\pm$ 10%	40	2.52	17	2.1	215
EL0304-180K	18 $\pm$ 10%	40	2.52	16	2.3	205
EL0304-220K	22 $\pm$ 10%	40	2.52	14	2.6	195
EL0304-270K	27 $\pm$ 10%	40	2.52	13	3.5	165
EL0304-330K	33 $\pm$ 10%	40	2.52	12	4.2	150
EL0304-390K	39 $\pm$ 10%	40	2.52	11	4.9	140
EL0304-470K	47 $\pm$ 10%	40	2.52	10	5.6	130
EL0304-560K	56 $\pm$ 10%	40	2.52	9.4	8.4	109
EL0304-680K	68 $\pm$ 10%	40	2.52	8.6	9.4	105
EL0304-820K	82 $\pm$ 10%	40	2.52	7.8	10	100
EL0304-101K	100 $\pm$ 10%	30	0.796	7	11	95
EL0304-121K	120 $\pm$ 10%	30	0.796	6.6	12	90
EL0304-151K	150 $\pm$ 10%	30	0.796	6	15	80
EL0304-181K	180 $\pm$ 10%	30	0.796	5.4	20	70
EL0304-221K	220 $\pm$ 10%	30	0.796	5	23	65

EL0405 TYPE



* Also available 3.5mm [.138 inches] or 5mm [.197 inches] pitch product.

CHARACTERISTICS

Operating temperature range	- 20 to + 80°C [- 4 to + 176°F] (including self-temperature rise, 20°C [36°F] max.)
Dielectric withstanding voltage	250 Vrms
Rated current	Based on inductance change rate (10% drop in initial value)
Terminal tensile strength	0.8kg min.
Terminal bending strength	0.5kg min.
Moisture resistance characteristics	$\Delta L/L \leq \pm 5\%$ $\Delta Q/Q \leq \pm 25\%$

ELECTRICAL CHARACTERISTICS

Part No.	Inductance (μ H)	Q min.	Test frequency L, Q (MHz)	Self-resonant frequency (MHz) min.	DC resistance (Ω) max.	Rated current (mA) max.
EL0405RA *1-R22□*2 EL0405SKI *1-R22□*2	0.22 $\pm$ 20%, $\pm$ 10%	50	25.2	150	0.15	800
EL0405RA-R27□ EL0405SKI-R27□	0.27 $\pm$ 20%, $\pm$ 10%	50	25.2	150	0.15	800
EL0405RA-R33□ EL0405SKI-R33□	0.33 $\pm$ 20%, $\pm$ 10%	50	25.2	150	0.15	800
EL0405RA-R39□ EL0405SKI-R39□	0.39 $\pm$ 20%, $\pm$ 10%	50	25.2	130	0.15	800
EL0405RA-R47□ EL0405SKI-R47□	0.47 $\pm$ 20%, $\pm$ 10%	50	25.2	130	0.15	800
EL0405RA-R56□ EL0405SKI-R56□	0.56 $\pm$ 20%, $\pm$ 10%	50	25.2	130	0.2	700
EL0405RA-R68□ EL0405SKI-R68□	0.68 $\pm$ 20%, $\pm$ 10%	50	25.2	120	0.2	700
EL0405RA-R82□ EL0405SKI-R82□	0.82 $\pm$ 20%, $\pm$ 10%	50	25.2	120	0.2	700
EL0405RA-1R0□ EL0405SKI-1R0□	1 $\pm$ 10%, $\pm$ 5%	50	7.96	85	0.22	674
EL0405RA-1R2□ EL0405SKI-1R2□	1.2 $\pm$ 10%, $\pm$ 5%	50	7.96	75	0.24	645
EL0405RA-1R5□ EL0405SKI-1R5□	1.5 $\pm$ 10%, $\pm$ 5%	50	7.96	65	0.27	608
EL0405RA-1R8□ EL0405SKI-1R8□	1.8 $\pm$ 10%, $\pm$ 5%	50	7.96	55	0.3	577
EL0405RA-2R2□ EL0405SKI-2R2□	2.2 $\pm$ 10%, $\pm$ 5%	50	7.96	50	0.33	550
EL0405RA-2R7□ EL0405SKI-2R7□	2.7 $\pm$ 10%, $\pm$ 5%	50	7.96	45	0.37	520
EL0405RA-3R3□ EL0405SKI-3R3□	3.3 $\pm$ 10%, $\pm$ 5%	50	7.96	40	0.42	488
EL0405RA-3R9□ EL0405SKI-3R9□	3.9 $\pm$ 10%, $\pm$ 5%	50	7.96	35	0.46	466
EL0405RA-4R7□ EL0405SKI-4R7□	4.7 $\pm$ 10%, $\pm$ 5%	50	7.96	30	0.53	434
EL0405RA-5R6□ EL0405SKI-5R6□	5.6 $\pm$ 10%, $\pm$ 5%	50	7.96	27	0.56	422
EL0405RA-6R8□ EL0405SKI-6R8□	6.8 $\pm$ 10%, $\pm$ 5%	50	7.96	25	0.63	398
EL0405RA-8R2□ EL0405SKI-8R2□	8.2 $\pm$ 10%, $\pm$ 5%	50	7.96	22	0.7	378
EL0405RA-101□ EL0405SKI-101□	10 $\pm$ 10%, $\pm$ 5%	50	2.52	20	0.8	353

*1 Packaging style RA: Taping (Ammo-pack style) SKI: Bulk

*2 □: Please specify inductance tolerance, M ($\pm$ 20%), K ($\pm$ 10%) or J ($\pm$ 5%)

• Available for inductance tolerance G ($\pm$ 2%) at 1 μ H min.

EL0405 TYPE

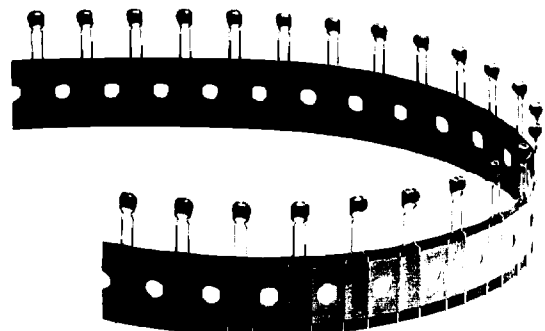
ELECTRICAL CHARACTERISTICS

Part No.	Inductance (μ H)	Q min.	Test frequency L, Q (MHz)	Self-resonant frequency (MHz) min.	DC resistance (Ω) max.	Rated current (mA) max.
EL0405RA*1-120□*2 EL0405SKI*1-120□*2	12 $\pm$ 10%, $\pm$ 5%	50	2.52	18	0.87	339
EL0405RA-150□ EL0405SKI-150□	15 $\pm$ 10%, $\pm$ 5%	50	2.52	15	1	316
EL0405RA-180□ EL0405SKI-180□	18 $\pm$ 10%, $\pm$ 5%	50	2.52	12	1.11	301
EL0405RA-220□ EL0405SKI-220□	22 $\pm$ 10%, $\pm$ 5%	40	2.52	11	1.35	272
EL0405RA-270□ EL0405SKI-270□	27 $\pm$ 10%, $\pm$ 5%	40	2.52	10	1.55	254
EL0405RA-330□ EL0405SKI-330□	33 $\pm$ 10%, $\pm$ 5%	40	2.52	9.5	1.75	239
EL0405RA-390□ EL0405SKI-390□	39 $\pm$ 10%, $\pm$ 5%	40	2.52	9	2	223
EL0405RA-470□ EL0405SKI-470□	47 $\pm$ 10%, $\pm$ 5%	40	2.52	8.5	2.2	213
EL0405RA-560□ EL0405SKI-560□	56 $\pm$ 10%, $\pm$ 5%	40	2.52	8	2.4	204
EL0405RA-680□ EL0405SKI-680□	68 $\pm$ 10%, $\pm$ 5%	40	2.52	7.5	3.3	174
EL0405RA-820□ EL0405SKI-820□	82 $\pm$ 10%, $\pm$ 5%	40	2.52	7	3.7	164
EL0405RA-101□ EL0405SKI-101□	100 $\pm$ 10%, $\pm$ 5%	35	0.796	6.5	4.4	150
EL0405RA-121□ EL0405SKI-121□	120 $\pm$ 10%, $\pm$ 5%	35	0.796	6.2	5.1	140
EL0405RA-151□ EL0405SKI-151□	150 $\pm$ 10%, $\pm$ 5%	35	0.796	5.7	5.95	130
EL0405RA-181□ EL0405SKI-181□	180 $\pm$ 10%, $\pm$ 5%	35	0.796	5.3	7	120
EL0405RA-221□ EL0405SKI-221□	220 $\pm$ 10%, $\pm$ 5%	35	0.796	4	8	112
EL0405RA-271□ EL0405SKI-271□	270 $\pm$ 10%, $\pm$ 5%	35	0.796	3.6	12.4	90
EL0405RA-331□ EL0405SKI-331□	330 $\pm$ 10%, $\pm$ 5%	35	0.796	3.3	13.2	87
EL0405RA-391□ EL0405SKI-391□	390 $\pm$ 10%, $\pm$ 5%	35	0.796	3	15.4	80
EL0405RA-471□ EL0405SKI-471□	470 $\pm$ 10%, $\pm$ 5%	35	0.796	2.8	17.3	76
EL0405RA-561□ EL0405SKI-561□	560 $\pm$ 10%, $\pm$ 5%	30	0.796	2.4	21	69
EL0405RA-681□ EL0405SKI-681□	680 $\pm$ 10%, $\pm$ 5%	30	0.796	2.2	23.5	65
EL0405RA-821□ EL0405SKI-821□	820 $\pm$ 10%, $\pm$ 5%	30	0.796	2	26.5	61
EL0405RA-102□ EL0405SKI-102□	1000 $\pm$ 10%, $\pm$ 5%	25	0.252	1.8	31.5	56

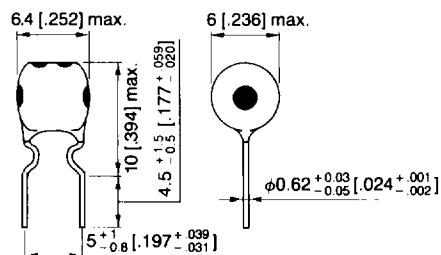
*1 Packaging style RA: Taping (Ammo-pack style) SKI: Bulk

*2 □: Please specify inductance tolerance, K ($\pm$ 10%) or J ($\pm$ 5%)

* Available for inductance tolerance G ($\pm$ 2%) at 1 μ H min.



EL0606 TYPE



Dimensions in mm [inches]

CHARACTERISTICS

Operating temperature range	- 20 to + 80°C [- 4 to + 176°F] (including self-temperature rise, 20°C [36°F] max.)
Dielectric withstanding voltage	250 Vrms
Rated current	Based on inductance change rate (10% drop in initial value)
Terminal tensile strength	1.5kg min.
Terminal bending strength	0.5kg min.
Moisture resistance characteristics	$\Delta L/L \leq \pm 5\%$ $\Delta Q/Q \leq \pm 25\%$

ELECTRICAL CHARACTERISTICS

Part No.	Inductance (μ H)	Q min.	Test frequency L, Q (MHz)	Self-resonant frequency (MHz) min.	DC resistance (Ω) max.	Rated current (mA) max.
EL0606RA *1-R22□ *2 EL0606SKI *1-R22□ *2	$0.22 \pm 20\%, \pm 10\%$	50	25.2	150	0.15	816
EL0606RA-R27□ EL0606SKI-R27□	$0.27 \pm 20\%, \pm 10\%$	50	25.2	150	0.15	816
EL0606RA-R33□ EL0606SKI-R33□	$0.33 \pm 20\%, \pm 10\%$	50	25.2	150	0.15	816
EL0606RA-R39□ EL0606SKI-R39□	$0.39 \pm 20\%, \pm 10\%$	50	25.2	130	0.15	816
EL0606RA-R47□ EL0606SKI-R47□	$0.47 \pm 20\%, \pm 10\%$	50	25.2	130	0.15	816
EL0606RA-R56□ EL0606SKI-R56□	$0.56 \pm 20\%, \pm 10\%$	50	25.2	130	0.2	707
EL0606RA-R68□ EL0606SKI-R68□	$0.68 \pm 20\%, \pm 10\%$	50	25.2	120	0.2	707
EL0606RA-R82□ EL0606SKI-R82□	$0.82 \pm 20\%, \pm 10\%$	50	25.2	120	0.2	707
EL0606RA-1R0□ EL0606SKI-1R0□	$1 \pm 10\%, \pm 5\%$	50	7.96	100	0.2	707
EL0606RA-1R2□ EL0606SKI-1R2□	$1.2 \pm 10\%, \pm 5\%$	50	7.96	85	0.2	707
EL0606RA-1R5□ EL0606SKI-1R5□	$1.5 \pm 10\%, \pm 5\%$	50	7.96	70	0.22	674
EL0606RA-1R8□ EL0606SKI-1R8□	$1.8 \pm 10\%, \pm 5\%$	50	7.96	60	0.22	674
EL0606RA-2R2□ EL0606SKI-2R2□	$2.2 \pm 10\%, \pm 5\%$	50	7.96	55	0.25	632
EL0606RA-2R7□ EL0606SKI-2R7□	$2.7 \pm 10\%, \pm 5\%$	50	7.96	50	0.27	608
EL0606RA-3R3□ EL0606SKI-3R3□	$3.3 \pm 10\%, \pm 5\%$	50	7.96	45	0.3	577
EL0606RA-3R9□ EL0606SKI-3R9□	$3.9 \pm 10\%, \pm 5\%$	50	7.96	40	0.32	559
EL0606RA-4R7□ EL0606SKI-4R7□	$4.7 \pm 10\%, \pm 5\%$	50	7.96	35	0.35	534
EL0606RA-5R6□ EL0606SKI-5R6□	$5.6 \pm 10\%, \pm 5\%$	50	7.96	33	0.37	519
EL0606RA-6R8□ EL0606SKI-6R8□	$6.8 \pm 10\%, \pm 5\%$	50	7.96	27	0.4	500
EL0606RA-8R2□ EL0606SKI-8R2□	$8.2 \pm 10\%, \pm 5\%$	50	7.96	25	0.45	471
EL0606RA-100□ EL0606SKI-100□	$10 \pm 10\%, \pm 5\%$	50	2.52	20	0.8	353

*1 Packaging style RA: Taping (Ammo-pack style) SKI: Bulk

*2 □: Please specify inductance tolerance, M ($\pm 20\%$), K ($\pm 10\%$) or J ($\pm 5\%$)

• Available for inductance tolerance G ($\pm 2\%$) at 1μ H min.

Inductors

EL0606 TYPE

ELECTRICAL CHARACTERISTICS

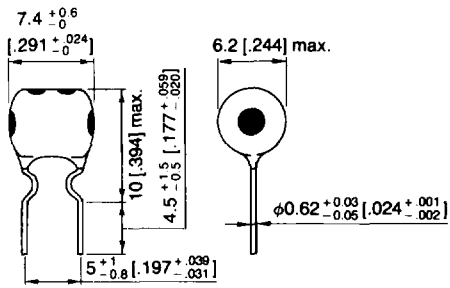
Part No.	Inductance (μ H)	Q min.	Test frequency L, Q (MHz)	Self-resonant frequency (MHz) min.	DC resistance (Ω) max.	Rated current (mA) max.
EL0606RA*1-120□*2 EL0606SKI*1-120□*2	12 $\pm$ 10%, $\pm$ 5%	50	2.52	18	0.9	333
EL0606RA-150□ EL0606SKI-150□	15 $\pm$ 10%, $\pm$ 5%	50	2.52	17	1	316
EL0606RA-180□ EL0606SKI-180□	18 $\pm$ 10%, $\pm$ 5%	50	2.52	15	1.2	288
EL0606RA-220□ EL0606SKI-220□	22 $\pm$ 10%, $\pm$ 5%	50	2.52	13	1.4	267
EL0606RA-270□ EL0606SKI-270□	27 $\pm$ 10%, $\pm$ 5%	50	2.52	11	1.7	242
EL0606RA-330□ EL0606SKI-330□	33 $\pm$ 10%, $\pm$ 5%	50	2.52	10.5	2	223
EL0606RA-390□ EL0606SKI-390□	39 $\pm$ 10%, $\pm$ 5%	50	2.52	10	2.4	204
EL0606RA-470□ EL0606SKI-470□	47 $\pm$ 10%, $\pm$ 5%	50	2.52	9.5	2.7	192
EL0606RA-560□ EL0606SKI-560□	56 $\pm$ 10%, $\pm$ 5%	50	2.52	9	2.9	185
EL0606RA-680□ EL0606SKI-680□	68 $\pm$ 10%, $\pm$ 5%	50	2.52	8.5	3.1	179
EL0606RA-820□ EL0606SKI-820□	82 $\pm$ 10%, $\pm$ 5%	50	2.52	7.5	3.3	174
EL0606RA-101□ EL0606SKI-101□	100 $\pm$ 10%, $\pm$ 5%	45	0.796	6.8	3.3	174
EL0606RA-121□ EL0606SKI-121□	120 $\pm$ 10%, $\pm$ 5%	45	0.796	6.2	3.5	169
EL0606RA-151□ EL0606SKI-151□	150 $\pm$ 10%, $\pm$ 5% $\%$	45	0.796	5.7	3.7	164
EL0606RA-181□ EL0606SKI-181□	180 $\pm$ 10%, $\pm$ 5%	45	0.796	5.3	4	158
EL0606RA-221□ EL0606SKI-221□	220 $\pm$ 10%, $\pm$ 5%	45	0.796	4	5.2	138
EL0606RA-271□ EL0606SKI-271□	270 $\pm$ 10%, $\pm$ 5%	45	0.796	3.6	5.8	131
EL0606RA-331□ EL0606SKI-331□	330 $\pm$ 10%, $\pm$ 5%	45	0.796	3.3	6.5	124
EL0606RA-391□ EL0606SKI-391□	390 $\pm$ 10%, $\pm$ 5%	45	0.796	3	7.5	115
EL0606RA-471□ EL0606SKI-471□	470 $\pm$ 10%, $\pm$ 5%	45	0.796	2.8	8	111
EL0606RA-561□ EL0606SKI-561□	560 $\pm$ 10%, $\pm$ 5%	45	0.796	2.4	12.5	89
EL0606RA-681□ EL0606SKI-681□	680 $\pm$ 10%, $\pm$ 5%	45	0.796	2.2	14	84
EL0606RA-821□ EL0606SKI-821□	820 $\pm$ 10%, $\pm$ 5%	45	0.796	2	15.5	80
EL0606RA-102□ EL0606SKI-102□	1000 $\pm$ 10%, $\pm$ 5%	40	0.252	1.8	18.5	73
EL0606RA-122□ EL0606SKI-122□	1200 $\pm$ 10%, $\pm$ 5%	30	0.252	1.7	29	58
EL0606RA-152□ EL0606SKI-152□	1500 $\pm$ 10%, $\pm$ 5%	30	0.252	1.5	34	54
EL0606RA-182□ EL0606SKI-182□	1800 $\pm$ 10%, $\pm$ 5%	30	0.252	1.4	37	51
EL0606RA-222□ EL0606SKI-222□	2200 $\pm$ 10%, $\pm$ 5%	30	0.252	1.2	42	48

*1 Packaging style RA: Taping (Ammo-pack style) SKI: Bulk

*2 □: Please specify inductance tolerance, K ($\pm$ 10%) or J ($\pm$ 5%)

• Available for inductance tolerance G ($\pm$ 2%) at 1 μ H min.

EL0607 TYPE



Dimensions in mm [inches]

CHARACTERISTICS

Operating temperature range	- 20 to + 80°C [- 4 to + 176°F] (including self-temperature rise, 20°C [36°F] max.)
Dielectric withstanding voltage	250 Vrms
Rated current	Based on inductance change rate (10% drop in initial value)
Terminal tensile strength	1.5kg min.
Terminal bending strength	0.5kg min.
Moisture resistance characteristics	$\Delta L/L \leq \pm 5\%$ $\Delta Q/Q \leq \pm 25\%$

ELECTRICAL CHARACTERISTICS

Part No.	Inductance (μ H)	Q min.	Test frequency L, Q (MHz)	Self-resonant frequency (MHz) min.	DC resistance (Ω) max.	Rated current (mA) max.
EL0607RA*1-100□*2 EL0607SKI*1-100□*2	10 $\pm$ 10%, $\pm$ 5%	20	2.52	17	0.19	780
EL0607RA-120□ EL0607SKI-120□	12 $\pm$ 10%, $\pm$ 5%	20	2.52	14	0.22	730
EL0607RA-150□ EL0607SKI-150□	15 $\pm$ 10%, $\pm$ 5%	20	2.52	12	0.24	650
EL0607RA-180□ EL0607SKI-180□	18 $\pm$ 10%, $\pm$ 5%	20	2.52	10.5	0.26	610
EL0607RA-220□ EL0607SKI-220□	22 $\pm$ 10%, $\pm$ 5%	20	2.52	10	0.29	540
EL0607RA-270□ EL0607SKI-270□	27 $\pm$ 10%, $\pm$ 5%	20	2.52	9.5	0.32	480
EL0607RA-330□ EL0607SKI-330□	33 $\pm$ 10%, $\pm$ 5%	20	2.52	8.5	0.34	440
EL0607RA-390□ EL0607SKI-390□	39 $\pm$ 10%, $\pm$ 5%	20	2.52	8	0.42	440
EL0607RA-470□ EL0607SKI-470□	47 $\pm$ 10%, $\pm$ 5%	20	2.52	7	0.47	375
EL0607RA-560□ EL0607SKI-560□	56 $\pm$ 10%, $\pm$ 5%	20	2.52	6.8	0.52	340
EL0607RA-680□ EL0607SKI-680□	68 $\pm$ 10%, $\pm$ 5%	15	2.52	6.5	0.58	320
EL0607RA-820□ EL0607SKI-820□	82 $\pm$ 10%, $\pm$ 5%	15	2.52	6.3	0.64	285
EL0607RA-101□ EL0607SKI-101□	100 $\pm$ 10%, $\pm$ 5%	25	0.796	6	0.85	260
EL0607RA-121□ EL0607SKI-121□	120 $\pm$ 10%, $\pm$ 5%	25	0.796	5.4	1	240
EL0607RA-151□ EL0607SKI-151□	150 $\pm$ 10%, $\pm$ 5%	25	0.796	4.75	1.2	215
EL0607RA-181□ EL0607SKI-181□	180 $\pm$ 10%, $\pm$ 5%	30	0.796	4	1.5	195
EL0607RA-221□ EL0607SKI-221□	220 $\pm$ 10%, $\pm$ 5%	30	0.796	3.85	1.65	180
EL0607RA-271□ EL0607SKI-271□	270 $\pm$ 10%, $\pm$ 5%	30	0.796	3.6	2.15	160
EL0607RA-331□ EL0607SKI-331□	330 $\pm$ 10%, $\pm$ 5%	35	0.796	3.3	2.9	145
EL0607RA-391□ EL0607SKI-391□	390 $\pm$ 10%, $\pm$ 5%	35	0.796	3	3.25	135
EL0607RA-471□ EL0607SKI-471□	470 $\pm$ 10%, $\pm$ 5%	35	0.796	2.8	4.05	125

*1 Packaging style RA: Taping (Ammono-pack style) SKI: Bulk

*2 □: Please specify inductance tolerance, K ($\pm$ 10%) or J ($\pm$ 5%)

Inductors

EL0607 TYPE

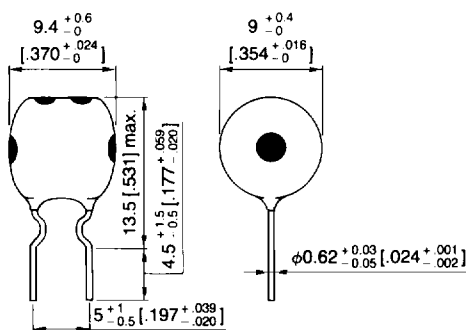
ELECTRICAL CHARACTERISTICS

Part No.	Inductance (μ H)	Q min.	Test frequency L, Q (MHz)	Self-resonant frequency (MHz) min.	DC resistance (Ω) max.	Rated current (mA) max.
EL0607RA*1-561□*2 EL0607SKI*1-561□*2	560 $\pm$ 10%, $\pm$ 5%	40	0.796	2.4	4.45	115
EL0607RA-681□ EL0607SKI-681□	680 $\pm$ 10%, $\pm$ 5%	40	0.796	2.2	5.85	105
EL0607RA-821□ EL0607SKI-821□	820 $\pm$ 10%, $\pm$ 5%	40	0.796	2	6.6	95
EL0607RA-102□ EL0607SKI-102□	1000 $\pm$ 10%, $\pm$ 5%	45	0.252	1.8	8.9	85
EL0607RA-122□ EL0607SKI-122□	1200 $\pm$ 10%, $\pm$ 5%	45	0.252	1.7	10.5	75
EL0607RA-152□ EL0607SKI-152□	1500 $\pm$ 10%, $\pm$ 5%	45	0.252	1.5	11.9	69
EL0607RA-182□ EL0607SKI-182□	1800 $\pm$ 10%, $\pm$ 5%	45	0.252	1.3	16.5	60
EL0607RA-222□ EL0607SKI-222□	2200 $\pm$ 10%, $\pm$ 5%	45	0.252	1.2	19	58
EL0607RA-272J EL0607SKI-272J	2700 $\pm$ 5%	40	0.252	0.8	32	52
EL0607RA-332J EL0607SKI-332J	3300 $\pm$ 5%	40	0.252	0.7	34	48
EL0607RA-392J EL0607SKI-392J	3900 $\pm$ 5%	40	0.252	0.7	38	45
EL0607RA-472J EL0607SKI-472J	4700 $\pm$ 5%	40	0.252	0.6	56	40
EL0607RA-562J EL0607SKI-562J	5600 $\pm$ 5%	40	0.252	0.5	63	37
EL0607RA-682J EL0607SKI-682J	6800 $\pm$ 5%	40	0.252	0.4	70	34
EL0607RA-822J EL0607SKI-822J	8200 $\pm$ 5%	40	0.252	0.4	77	31
EL0607RA-103J EL0607SKI-103J	10000 $\pm$ 5%	25	0.0796	0.3	95	28
EL0607RA-123J EL0607SKI-123J	12000 $\pm$ 5%	25	0.0796	0.2	110	25
EL0607RA-153J EL0607SKI-153J	15000 $\pm$ 5%	20	0.0796	0.1	160	21

*1 Packaging style RA: Taping (Ammo-pack style) SKI: Bulk

*2 □: Please specify inductance tolerance, K ($\pm$ 10%) or J ($\pm$ 5%)

EL0909 TYPE



Dimensions in mm [inches]

CHARACTERISTICS

Operating temperature range	-20 to +80°C [-4 to +176°F] (including self-temperature rise, 20°C [36°F] max.)
Dielectric withstanding voltage	250 Vrms
Rated current	Based on temperature rise
Terminal tensile strength	1.5kg min.
Terminal bending strength	0.5kg min.
Moisture resistance characteristics	$\Delta L/L \leq \pm 5\%$ $\Delta Q/Q \leq \pm 25\%$

ELECTRICAL CHARACTERISTICS

Part No.	Inductance (μ H)	Q min.	Test frequency L, Q (MHz)	Self-resonant frequency (MHz) min.	DC resistance (Ω) max.	Rated current (mA) max.
EL0909RR*1-101□*2-2 EL0909SKI*1-101□*2-2	100 $\pm$ 10%, $\pm$ 5%	55	796	4.3	0.85	343
EL0909RR-121□-2 EL0909SKI-121□-2	120 $\pm$ 10%, $\pm$ 5%	55	796	4.1	0.95	324
EL0909RR-151□-2 EL0909SKI-151□-2	150 $\pm$ 10%, $\pm$ 5%	55	796	3.7	1.05	309
EL0909RR-181□-2 EL0909SKI-181□-2	180 $\pm$ 10%, $\pm$ 5%	55	796	3.3	1.15	295
EL0909RR-221□-2 EL0909SKI-221□-2	220 $\pm$ 10%, $\pm$ 5%	50	796	2.3	1.3	277
EL0909RR-271□-2 EL0909SKI-271□-2	270 $\pm$ 10%, $\pm$ 5%	50	796	2	1.5	258
EL0909RR-331□-2 EL0909SKI-331□-2	330 $\pm$ 10%, $\pm$ 5%	50	796	1.95	1.7	243
EL0909RR-391□-2 EL0909SKI-391□-2	390 $\pm$ 10%, $\pm$ 5%	50	796	1.85	1.85	232
EL0909RR-471□-2 EL0909SKI-471□-2	470 $\pm$ 10%, $\pm$ 5%	50	796	1.57	2.3	209
EL0909RR-561□-2 EL0909SKI-561□-2	560 $\pm$ 10%, $\pm$ 5%	45	796	1.5	2.55	198
EL0909RR-681□-2 EL0909SKI-681□-2	680 $\pm$ 10%, $\pm$ 5%	40	796	1.4	2.85	187
EL0909RR-821□-2 EL0909SKI-821□-2	820 $\pm$ 10%, $\pm$ 5%	35	796	1.32	3.1	180
EL0909RR-102□-2 EL0909SKI-102□-2	1000 $\pm$ 10%, $\pm$ 5%	60	252	1.25	4.1	156
EL0909RR-122□-2 EL0909SKI-122□-2	1200 $\pm$ 10%, $\pm$ 5%	60	252	1.2	4.7	146
EL0909RR-152□-2 EL0909SKI-152□-2	1500 $\pm$ 10%, $\pm$ 5%	60	252	1	5.8	131
EL0909RR-182□-2 EL0909SKI-182□-2	1800 $\pm$ 10%, $\pm$ 5%	60	252	0.95	7.4	116
EL0909RR-222□-2 EL0909SKI-222□-2	2200 $\pm$ 10%, $\pm$ 5%	65	252	0.9	8.4	109
EL0909RR-272□-2 EL0909SKI-272□-2	2700 $\pm$ 10%, $\pm$ 5%	65	252	0.84	11.2	94
EL0909RR-332□-2 EL0909SKI-332□-2	3300 $\pm$ 10%, $\pm$ 5%	65	252	0.75	14.7	82
EL0909RR-392□-2 EL0909SKI-392□-2	3900 $\pm$ 10%, $\pm$ 5%	65	252	0.67	19.5	72
EL0909RR-472□-2 EL0909SKI-472□-2	4700 $\pm$ 10%, $\pm$ 5%	65	252	0.62	21.5	68

*1 Packaging style RR: Tape and reel SKI: Bulk

*2 □: Please specify inductance tolerance, K ($\pm$ 10%) or J ($\pm$ 5%)

EL0909 TYPE

ELECTRICAL CHARACTERISTICS

Part No.	Inductance (μ H)	Q min.	Test frequency L, Q (MHz)	Self-resonant frequency (MHz) min.	DC resistance (Ω) max.	Rated current (mA) max.
EL0909RR* ¹ -562□ ² -2 EL0909SKI* ¹ -562□ ² -2	5600 $\pm$ 10%, $\pm$ 5%	60	252	0.57	24.5	64
EL0909RR-682□-2 EL0909SKI-682□-2	6800 $\pm$ 10%, $\pm$ 5%	60	252	0.47	32.5	55
EL0909RR-822□-2 EL0909SKI-822□-2	8200 $\pm$ 10%, $\pm$ 5%	55	252	0.43	38	51
EL0909RR-103□-2 EL0909SKI-103□-2	10000 $\pm$ 10%, $\pm$ 5%	50	1* ³ /79.6* ⁴	0.38	43	48
EL0909RR-123□-2 EL0909SKI-123□-2	12000 $\pm$ 10%, $\pm$ 5%	50	1/79.6	0.37	62	40
EL0909RR-153□-2 EL0909SKI-153□-2	15000 $\pm$ 10%, $\pm$ 5%	50	1/79.6	0.33	74	37
EL0909RR-183□-2 EL0909SKI-183□-2	18000 $\pm$ 10%, $\pm$ 5%	50	1/79.6	0.29	103	31
EL0909RR-223□-2 EL0909SKI-223□-2	22000 $\pm$ 10%, $\pm$ 5%	50	1/79.6	0.26	118	29
EL0909RR-273□-2 EL0909SKI-273□-2	27000 $\pm$ 10%, $\pm$ 5%	50	1/79.6	0.25	131	28
EL0909RR-333□-2 EL0909SKI-333□-2	33000 $\pm$ 10%, $\pm$ 5%	50	1/79.6	0.25	185	26
EL0909RR-393□-2 EL0909SKI-393□-2	39000 $\pm$ 10%, $\pm$ 5%	40	1/79.6	0.23	205	22
EL0909RR-473□-2 EL0909SKI-473□-2	47000 $\pm$ 10%, $\pm$ 5%	35	1/79.6	0.21	260	20
EL0909RR-563□-2 EL0909SKI-563□-2	56000 $\pm$ 10%, $\pm$ 5%	35	1/79.6	0.20	295	18

*¹ Packaging style RR: Tape and reel SKI: Bulk

*² □: Please specify inductance tolerance, K ($\pm$ 10%) or J ($\pm$ 5%)

*³ for L

*⁴ for Q

