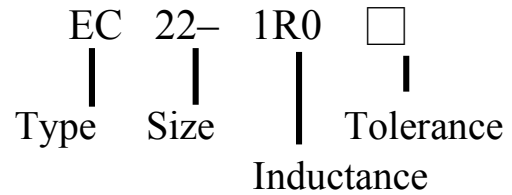




## PRODUCT IDENTIFICATION

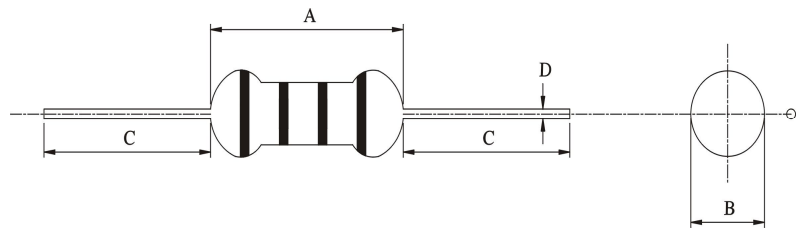


## FEATURES

- ◆ Choke-EC series has high-performance ferrite core and small choke coils which allow to be over 1000uH
- ◆ Coated with epoxy resin ensures the humidity resistance
- ◆ Compact, size and light-weight
- ◆ Conformal coated inductors

## APPLICATIONS

- ◆ PDA's flash memory
- ◆ Step-up, step-down converters
- ◆ Communications
- ◆ Computer PC, electronics products



## DIMENSIONS (mm)

No.	Part No.	Size (mm)			
		A	B	C	D
1	EC 22 (1/8W)	4.0 Max.	2.8 Max.	29.5 ± 3.0	0.50 ± 0.05
2	EC 24 (1/4W)	8.0 Max.	3.0 Max.	28.0 ± 3.0	0.55 ± 0.05
3	EC 36 (1/2W)	11.0 Max.	4.0 Max.	26.0 ± 3.0	0.65 ± 0.05
4	EC 46 ( 1 W)	12.0 Max.	5.0 Max.	26.0 ± 3.0	0.65 ± 0.05

## PACKAGE

Type	EC 22	EC 24	EC 36	EC 46
Q'TY/Reel	5,000	5,000	5,000	3,000

No.	Part No.	Inductance ( $\mu$ H)	Q Min.	Test Frequency (MHz)	SRF Min. (MHz)	RDC Max. ( $\Omega$ )	IDC Max. (mA)
1	EC22-R10□	0.10	35	25.2	250	0.030	700
2	EC22-R12□	0.12	35	25.2	230	0.035	660
3	EC22-R15□	0.15	35	25.2	200	0.040	620
4	EC22-R18□	0.18	35	25.2	180	0.045	600
5	EC22-R22□	0.22	35	25.2	160	0.050	400
6	EC22-R27□	0.27	35	25.2	150	0.065	380
7	EC22-R33□	0.33	35	25.2	150	0.075	370
8	EC22-R39□	0.39	35	25.2	150	0.080	350
9	EC22-R47□	0.47	35	25.2	150	0.085	330
10	EC22-R56□	0.56	35	25.2	150	0.090	320
11	EC22-R68□	0.68	35	25.2	120	0.100	310
12	EC22-R82□	0.82	35	25.2	110	0.150	290
13	EC22-1R0□	1.00	35	25.2	110	0.220	270
14	EC22-1R2□	1.20	40	7.96	100	0.300	260
15	EC22-1R5□	1.50	40	7.96	80	0.350	250
16	EC22-1R8□	1.80	40	7.96	65	0.450	240
17	EC22-2R2□	2.20	40	7.96	55	0.550	230
18	EC22-2R7□	2.70	40	7.96	50	0.600	220
19	EC22-3R3□	3.30	40	7.96	42	0.650	210
20	EC22-3R9□	3.90	40	7.96	38	0.850	200
21	EC22-4R7□	4.70	40	7.96	34	1.000	190
22	EC22-5R6□	5.60	40	7.96	32	1.150	180
23	EC22-6R8□	6.80	40	7.96	30	1.200	175
24	EC22-8R2□	8.20	40	7.96	26	1.250	165
25	EC22-100□	10	40	7.96	24	1.500	160
26	EC22-120□	12	40	2.52	22	2.200	150
27	EC22-150□	15	40	2.52	20	2.500	145
28	EC22-180□	18	40	2.52	18	2.800	140
29	EC22-220□	22	40	2.52	17	3.000	130
30	EC22-270□	27	40	2.52	14	3.500	80
31	EC22-330□	33	40	2.52	14	3.800	76
32	EC22-390□	39	40	2.52	13	4.200	74
33	EC22-470□	47	40	2.52	12	5.800	70
34	EC22-560□	56	40	2.52	11	6.400	68
35	EC22-680□	68	40	2.52	10	7.200	64
36	EC22-820□	82	40	2.52	9.5	8.500	46
37	EC22-101□	100	40	2.52	9.0	11.000	44
38	EC22-121□	120	40	0.796	6.5	13.000	42
39	EC22-151□	150	40	0.796	6.0	16.000	39
40	EC22-181□	180	40	0.796	5.2	18.000	37
41	EC22-221□	220	40	0.796	4.5	20.000	35
42	EC22-271□	270	40	0.796	3.5	29.000	28
43	EC22-331□	300	40	0.796	3.0	30.000	26
44	EC22-391□	390	40	0.796	2.7	34.000	25
45	EC22-471□	470	40	0.796	2.6	35.000	24

Tolerance : J =  $\pm$  5% ; K =  $\pm$  10% ; M =  $\pm$  20%

No.	Part No.	Inductance ( $\mu$ H)	Q Min.	Test Frequency (MHz)	SRF Min. (MHz)	RDC Max. ( $\Omega$ )	IDC Max. (mA)
1	EC24-R10□	0.10	30	25.2	470	0.080	700
2	EC24-R12□	0.12	40	25.2	450	0.280	700
3	EC24-R15□	0.15	40	25.2	430	0.090	700
4	EC24-R18□	0.18	40	25.2	410	0.100	700
5	EC24-R22□	0.22	40	25.2	380	0.120	700
6	EC24-R27□	0.27	40	25.2	360	0.150	680
7	EC24-R33□	0.33	40	25.2	350	0.160	680
8	EC24-R39□	0.39	40	25.2	320	0.180	680
9	EC24-R47□	0.47	40	25.2	300	0.260	650
10	EC24-R56□	0.56	40	25.2	280	0.380	500
11	EC24-R68□	0.68	40	25.2	250	0.420	500
12	EC24-R82□	0.82	40	25.2	200	0.550	450
13	EC24-1R0□	1.00	65	25.2	180	0.120	700
14	EC24-1R2□	1.20	50	7.96	165	0.180	740
15	EC24-1R5□	1.50	50	7.96	150	0.200	700
16	EC24-1R8□	1.80	70	7.96	125	0.230	655
17	EC24-2R2□	2.20	50	7.96	110	0.250	630
18	EC24-2R7□	2.70	60	7.96	95	0.280	595
19	EC24-3R3□	3.30	60	7.96	75	0.300	575
20	EC24-3R9□	3.90	60	7.96	65	0.320	555
21	EC24-4R7□	4.70	50	7.96	50	0.350	530
22	EC24-5R6□	5.60	50	7.96	40	0.400	500
23	EC24-6R8□	6.80	50	7.96	30	0.450	470
24	EC24-8R2□	8.20	50	7.96	28	0.550	425
25	EC24-100□	10	50	7.96	22	0.720	370
26	EC24-120□	12	50	2.52	20	0.800	350
27	EC24-150□	15	50	2.52	16	0.880	335
28	EC24-180□	18	50	2.52	15	1.000	315
29	EC24-220□	22	60	2.52	13	1.200	285
30	EC24-270□	27	60	2.52	11	1.350	270
31	EC24-330□	33	50	2.52	10	1.500	255
32	EC24-390□	39	50	2.52	9.5	1.700	240
33	EC24-470□	47	60	2.52	8.5	2.300	205
34	EC24-560□	56	60	2.52	7.5	2.600	195
35	EC24-680□	68	60	2.52	6.5	2.900	185
36	EC24-820□	82	55	2.52	6.0	3.200	175
37	EC24-101□	100	60	2.52	5.5	3.500	165
38	EC24-121□	120	75	0.796	5.4	3.800	160
39	EC24-151□	150	75	0.796	4.7	4.400	150
40	EC24-181□	180	75	0.796	4.3	5.000	140
41	EC24-221□	220	75	0.796	4.0	5.700	130
42	EC24-271□	270	70	0.796	3.7	6.500	120
43	EC24-331□	330	70	0.796	3.4	9.500	100
44	EC24-391□	390	70	0.796	2.8	10.500	95
45	EC24-471□	470	70	0.796	2.5	12.500	90
46	EC24-561□	560	70	0.796	2.3	14.500	85
47	EC24-681□	680	70	0.796	2.0	18.000	75
48	EC24-821□	820	60	0.796	1.6	23.700	65
49	EC24-102□	1000	60	0.796	1.2	30.000	60

Tolerance : J =  $\pm$  5% ; K =  $\pm$  10% ; M =  $\pm$  20%

No.	Part No.	Inductance ( $\mu$ H)	Q Min.	Test Frequency (MHz)	SRF Min. (MHz)	RDC Max. ( $\Omega$ )	IDC Max. (mA)
1	EC36-R10□	0.10	50	25.2	470	0.040	900
2	EC36-R12□	0.12	50	25.2	450	0.060	900
3	EC36-R15□	0.15	50	25.2	430	0.070	890
4	EC36-R18□	0.18	50	25.2	410	0.070	890
5	EC36-R22□	0.22	50	25.2	380	0.080	880
6	EC36-R27□	0.27	50	25.2	340	0.090	800
7	EC36-R33□	0.33	50	25.2	300	0.100	750
8	EC36-R39□	0.39	50	25.2	280	0.120	680
9	EC36-R47□	0.47	50	25.2	250	0.160	650
10	EC36-R56□	0.56	50	25.2	230	0.180	600
11	EC36-R68□	0.68	50	25.2	210	0.220	550
12	EC36-R82□	0.82	50	25.2	172	0.240	980
13	EC36-1R0□	1.00	50	25.2	157	0.090	920
14	EC36-1R2□	1.20	50	7.96	144	0.100	880
15	EC36-1R5□	1.50	55	7.96	131	0.230	830
16	EC36-1R8□	1.80	60	7.96	121	0.250	790
17	EC36-2R2□	2.20	80	7.96	110	0.280	750
18	EC36-2R7□	2.70	85	7.96	100	0.300	720
19	EC36-3R3□	3.30	90	7.96	94	0.340	670
20	EC36-3R9□	3.90	90	7.96	86	0.370	640
21	EC36-4R7□	4.70	90	7.96	80	0.390	620
22	EC36-5R6□	5.60	80	7.96	74	0.430	590
23	EC36-6R8□	6.80	80	7.96	58	0.480	550
24	EC36-8R2□	8.20	85	7.96	53	0.520	530
25	EC36-100□	10	85	7.96	45	0.580	500
26	EC36-120□	12	75	2.52	30	0.630	480
27	EC36-150□	15	75	2.52	20	0.720	460
28	EC36-180□	18	70	2.52	14	0.770	430
29	EC36-220□	22	65	2.52	9.9	0.840	410
30	EC36-270□	27	65	2.52	7.6	0.740	390
31	EC36-330□	33	55	2.52	6.3	1.030	370
32	EC36-390□	39	55	2.52	6.3	1.120	350
33	EC36-470□	47	45	2.52	6.3	1.220	340
34	EC36-560□	56	45	2.52	6.2	1.340	320
35	EC36-680□	68	40	2.52	5.7	1.470	305
36	EC36-820□	82	35	2.52	5.3	1.620	290
37	EC36-101□	100	30	2.52	4.8	1.800	275
38	EC36-121□	120	70	0.796	3.8	3.700	185
39	EC36-151□	150	80	0.796	3.5	4.200	175
40	EC36-181□	180	80	0.796	3.3	4.600	165
41	EC36-221□	220	70	0.796	3.0	5.100	155
42	EC36-271□	270	70	0.796	2.8	5.800	145
43	EC36-331□	330	65	0.796	2.6	6.400	137
44	EC36-391□	390	65	0.796	2.4	7.000	133
45	EC36-471□	470	60	0.796	2.2	7.700	126
46	EC36-561□	560	60	0.796	2.1	8.500	120
47	EC36-681□	680	55	0.796	1.9	9.400	113
48	EC36-821□	820	55	0.796	1.8	12.000	100
49	EC36-102□	1000	50	0.252	1.4	17.000	100

Tolerance : J =  $\pm$  5% ; K =  $\pm$  10% ; M =  $\pm$  20%

No.	Part No.	Inductance (mH)	Q Min.	Q Test Frequency (KHz)	SRF Min. (MHz)	RDC Max. (Ω)	IDC Max. (mA)
1	EC46-122□	1.2	80	252	1.3	9.0	110
2	EC46-152□	1.5	80	252	1.2	10.0	100
3	EC46-182□	1.8	80	252	1.2	11.0	90
4	EC46-222□	2.2	80	252	1.1	14.0	80
5	EC46-272□	2.7	80	252	0.85	18	75
6	EC46-332□	3.3	80	252	0.74	22	65
7	EC46-392□	3.9	80	252	0.7	26	60
8	EC46-472□	4.7	80	252	0.66	32	55
9	EC46-562□	5.6	70	252	0.64	34	50
10	EC46-682□	6.8	70	252	0.58	45	45
11	EC46-822□	8.2	50	252	0.5	60	40
12	EC46-103□	10	50	79.6	0.48	70	38
13	EC46-123□	12	50	79.6	0.46	82	35
14	EC46-153□	15	50	79.6	0.4	89	32
15	EC46-183□	18	40	79.6	0.37	140	28
16	EC46-223□	22	40	79.6	0.33	170	25
17	EC46-273□	27	40	79.6	0.28	185	24
18	EC46-303□	30	40	79.6	0.26	210	23
19	EC46-333□	33	40	79.6	0.25	240	22
20	EC46-393□	39	40	79.6	0.24	250	20

Tolerance : J = ± 5% ; K = ± 10% ; M = ± 20%