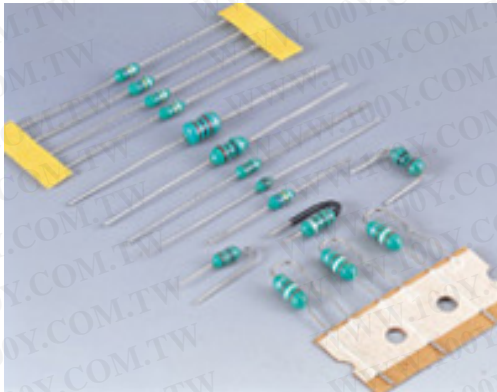


AXIAL LEADED COATED INDUCTORS

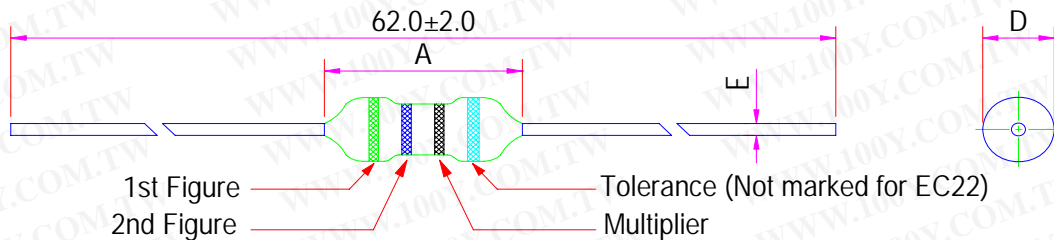
EC22 / 23 / 24 / 36 / 38 / 46 / 0410 TYPE



Shape and Size : (Dimensions are in mm)



3L P/N	A	D	E
EC22	4.0max	2.8max	0.50±0.05
EC23	6.35max	2.3max	0.50±0.05
EC24	7.62max	3.0max	0.55±0.05
EC36	10.5max	4.0max	0.65±0.05
EC38	12.7max	4.2max	0.65±0.05
EC46	12.0max	5.0max	0.65±0.05
EC0410	15.0max	5.0max	0.65±0.05



Features :

- Conformal coated inductors .
- Treated with epoxy resin coating makes it high reliability.
- EC22/24/36/46 with special magnetic core structure. contributes to high Q and high SRF.
- EC38/0410 for power application.
- EC23/EC24/EC36 for inductance below 1.0uH use ceramic core.
- Tape and reel packaging for automatic insertion.

Ordering information :

EC 24 - 471 K - T5A

(1) (2) (3) (4) (5)

- (1). Type: Epoxy Coated.
- (2). Style: According to core size.
- (3). Inductance: Example: "471" for 470 uH.
- (4). Tolerance: "M" : ±20% ; "K" : ±10% ; "J" : ±5% .
- (5). Other information: "T5, T2, T5A, TF4, TF5, TF6" represents the Packing Mode. "U, F" represents the Shape.

Inductance and rated current rangs :

• EC22	0.10uH ~ 1.0mH	700mA ~ 20mA
• EC23	0.047uH~0.82uH	1.2A~260mA
• EC24	0.10uH ~ 1.0mH	700mA ~ 60mA
• EC36	0.10uH ~ 1.0mH	900mA ~ 100mA
• EC38	1.0uH~10.0mH	3.0A~30mA
• EC46	1.2mH ~ 33mH	110mA ~ 20mA
• EC0410	1.0uH ~ 47mH	3.8A~ 100mA

Characteristics :

- Rated DC Currents: It is either the inductance is 10% lower than its initial value in D.C. saturation characteristics or temperature raise becomes $\Delta T=20^{\circ}\text{C}$ ($T_a=20^{\circ}\text{C}$), whichever is lower.
- Operating temperature rages: -20 to 80°C.
- Storage temperature rages: -40 to 80°C.
- Dielectric with standing voltage: 250V AC r.m.s.

Test equipment and test setup :

- L & Q: HP 4285A with HP42851A (Freq. >75kHz).
- L & Q: HP 4284A (Freq.<75kHz).
- DCR : Milli-ohm meter.
- SRF : HM 9461 L-SRF meter.
- Electrical specifications at 25°C.

Applications:

- Televisions, personal computers.
- Radios, telephones.
- Others various electronic products.

CONFORMAL COATED INDUCTORS (EC36 TYPE)

PART NO.	L uH	Q MIN	TEST FREQ. MHz	SRF (MHz) MIN	DCR (OHM) MAX	RATED DC CURRENT (mA) MAX	COLOR CODE			
							1ST	2ND	3RD	4TH
EC36- R10K	0.10	50	25.2	470	0.04	900	Bn	Bk	S	S
EC36- R12K	0.12	50	25.2	450	0.06	900	Bn	R	S	S
EC36- R15K	0.15	50	25.2	430	0.07	890	Bn	Gn	S	S
EC36- R18K	0.18	50	25.2	410	0.07	890	Bn	Gy	S	S
EC36- R22K	0.22	50	25.2	380	0.08	880	R	R	S	S
EC36- R27K	0.27	50	25.2	340	0.09	800	R	V	S	S
EC36- R33K	0.33	50	25.2	300	0.10	750	O	O	S	S
EC36- R39K	0.39	50	25.2	280	0.12	680	O	W	S	S
EC36- R47K	0.47	50	25.2	250	0.16	650	Y	V	S	S
EC36- R56K	0.56	50	25.2	230	0.18	600	Gn	Be	S	S
EC36- R68K	0.68	50	25.2	210	0.22	550	Be	Gy	S	S
EC36- R82K	0.82	50	25.2	172	0.24	980	Gy	R	S	S
EC36- 1R0K	1.0	50	25.2	157	0.09	920	Bn	Bk	Gd	S
EC36- 1R2K	1.2	50	7.96	144	0.10	880	Bn	R	Gd	S
EC36- 1R5K	1.5	55	7.96	131	0.23	830	Bn	Gn	Gd	S
EC36- 1R8K	1.8	60	7.96	121	0.25	790	Bn	Gy	Gd	S
EC36- 2R2K	2.2	80	7.96	110	0.28	750	R	R	Gd	S
EC36- 2R7K	2.7	85	7.96	100	0.30	720	R	V	Gd	S
EC36- 3R3K	3.3	90	7.96	94	0.34	670	O	O	Gd	S
EC36- 3R9K	3.9	90	7.96	86	0.37	640	O	W	Gd	S
EC36- 4R7K	4.7	90	7.96	80	0.39	620	Y	V	Gd	S
EC36- 5R6K	5.6	80	7.96	74	0.43	590	Gn	Be	Gd	S
EC36- 6R8K	6.8	80	7.96	58	0.48	550	Be	Gy	Gd	S
EC36- 8R2K	8.2	85	7.96	53	0.52	530	Gy	R	Gd	S
EC36- 100K	10	85	7.96	45	0.58	500	Bn	Bk	Bk	S
EC36- 120K	12	75	2.52	30	0.63	480	Bn	R	Bk	S
EC36- 150K	15	75	2.52	20	0.72	460	Bn	Gn	Bk	S
EC36- 180K	18	70	2.52	14	0.77	430	Bn	Gy	Bk	S
EC36- 220K	22	65	2.52	9.9	0.84	410	R	R	Bk	S
EC36- 270K	27	65	2.52	7.6	0.94	390	R	V	Bk	S
EC36- 330K	33	55	2.52	6.3	1.03	370	O	O	Bk	S
EC36- 390K	39	55	2.52	6.3	1.12	350	O	W	Bk	S
EC36- 470K	47	45	2.52	6.3	1.22	340	Y	V	Bk	S
EC36- 560K	56	45	2.52	6.2	1.34	320	Gn	Be	Bk	S
EC36- 680K	68	40	2.52	5.7	1.47	305	Be	Gy	Bk	S
EC36- 820K	82	35	2.52	5.3	1.62	290	Gy	R	Bk	S
EC36- 101K	100	30	2.52	4.8	1.80	275	Bn	Bk	Bn	S
EC36- 121K	120	70	0.796	3.8	3.70	185	Bn	R	Bn	S
EC36- 151K	150	80	0.796	3.5	4.20	175	Bn	Gn	Bn	S
EC36- 181K	180	80	0.796	3.3	4.60	165	Bn	Gy	Bn	S
EC36- 221K	220	70	0.796	3.0	5.10	155	R	R	Bn	S
EC36- 271K	270	70	0.796	2.8	5.80	145	R	V	Bn	S
EC36- 331K	330	65	0.796	2.6	6.40	137	O	O	Bn	S
EC36- 391K	390	65	0.796	2.4	7.00	133	O	W	Bn	S
EC36- 471K	470	60	0.796	2.25	7.70	126	Y	V	Bn	S
EC36- 561K	560	60	0.796	2.10	8.50	120	Gn	Be	Bn	S
EC36- 681K	680	55	0.796	1.95	9.40	113	Be	Gy	Bn	S
EC36- 821K	820	55	0.796	1.85	12.0	100	Gy	R	Bn	S
EC36- 102K	1000	50	0.252	1.40	17.0	100	Bn	Bk	R	S