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## Product Specification Sheet

Brand: 3L Electronic

Part No	Description	Supplier Ordering Info
L 7010	CHOKE RF 1.0UH	EC36-1R0K



# CONFORMAL COATED INDUCTORS

## EC36 TYPE

The EC36 type choke coil incorporates a high-performance ferrite core in a small special structure. It is resin coated and achieves inductance values up to 1,000  $\mu$ H.

## FEATURES

- 1) Incorporation of a special lead wire structure entirely eliminates defects inherent in existing axial lead type products and prevents lead breakage.
- 2) The special magnetic core structure permits the product to have both reduced size and high-Q, self-resonant frequencies.
- 3) The products are epoxy-resin coated against humidity to ensure longer life.

## ORDERING INFORMATION

EC 36 - 330 K  
 (1) (2) (3) (4)

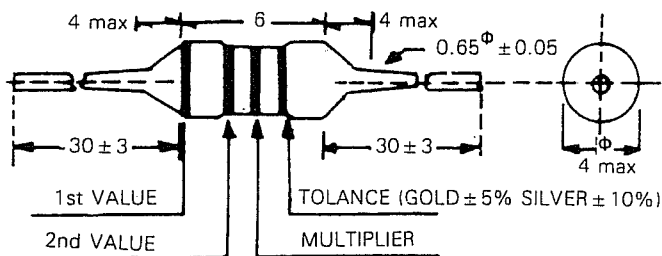
- (1) Type
- (2) Dimension (mm)
- (3) Inductance value (33  $\mu$ H)
- (4) Inductance tolerance (J:  $\pm$ 5%, K:  $\pm$ 10% M:  $\pm$ 20%)

## CHARACTERISTICS

- Style ..... Axial lead type
- Temperature rise ..... 20°C
- Ambient temperature ..... 80°C
- Rated temperature range ..... -20°C to + 100°C
- Dielectric withstanding voltage ..... 250 Vr.m.s.
- Rated current ..... Based on temperature rise
- Terminal tensile strength ..... 1.0 kg min.
- Terminal bending strength ..... 0.3 kg min.
- Moisture resistance characteristic.  
 .....  $\Delta L/L \leq \pm 5\%$ ,  $\Delta Q/Q \leq \pm 20\%$

## COLOR CODE

Inductance values are indicated with color code as shown below.



UNIT: MM

Color code	Significant figure	Multiplier	Inductance tolerance(%)
Black	0	1	—
Brown	1	10	—
Red	2	100	—
Orange	3	1000	—
Yellow	4	—	—
Green	5	—	—
Blue	6	—	—
Violet	7	—	—
Gray	8	—	—
White	9	—	—
Black	—	—	$\pm 20$
Silver	—	0.01	$\pm 10$
Gold	—	0.1	$\pm 5$



# CONFORMAL COATED INDUCTORS

## EC36 TYPE

L7010 - L7046

NO	Part NO.	Inductance ( $\mu$ H)	Q min.	Testing frequency of L & Q (MHz)	S.R.F. min. (MHz)	DC resistance ( $\Omega$ ) max.	Rated DC Current (mA) max.	Color code				
								1st	2nd	3rd	4th	
	1.	EC36-R10K	0.1 $\pm$ 10%	50	25.2	470	0.04	900	Bn	Bk	S	S
	2.	EC36-R12K	0.12 $\pm$ 10%	50	25.2	450	0.06	900	Bn	R	S	S
	3.	EC36-R15K	0.15 $\pm$ 10%	50	25.2	430	0.07	890	Bn	Gn	S	S
	4.	EC36-R18K	0.18 $\pm$ 10%	50	25.2	410	0.07	890	Bn	Gy	S	S
	5.	EC36-R22K	0.22 $\pm$ 10%	50	25.2	380	0.08	880	R	R	S	S
	6.	EC36-R27K	0.27 $\pm$ 10%	50	25.2	340	0.09	800	R	V	S	S
	7.	EC36-R33K	0.33 $\pm$ 10%	50	25.2	300	0.10	750	O	O	S	S
	8.	EC36-R39K	0.39 $\pm$ 10%	50	25.2	280	0.12	680	O	W	S	S
	9.	EC36-R47K	0.47 $\pm$ 10%	50	25.2	250	0.16	650	Y	V	S	S
	10.	EC36-R56K	0.56 $\pm$ 10%	50	25.2	230	0.18	600	Gn	Be	S	S
	11.	EC36-R68K	0.68 $\pm$ 10%	50	25.2	210	0.22	550	Be	Gy	S	S
	12.	EC36-R82K	0.82 $\pm$ 10%	50	25.2	172	0.24	980	Gy	R	S	S
L7010	13.	EC36-1R0K	1.0 $\pm$ 10%	50	25.2	157	0.09	920	Bn	Bk	Gd	S
	14.	EC36-1R2K	1.2 $\pm$ 10%	50	7.96	144	0.10	880	Bn	R	Gd	S
L7012	15.	EC36-1R5K	1.5 $\pm$ 10%	50	7.96	131	0.23	830	Bn	Gn	Gd	S
	16.	EC36-1R8K	1.8 $\pm$ 10%	55	7.96	121	0.25	790	En	Gy	Gd	S
L7014	17.	EC36-2R2K	2.2 $\pm$ 10%	55	7.96	110	0.28	750	R	R	Gd	S
	18.	EC36-2R7K	2.7 $\pm$ 10%	60	7.96	100	0.30	720	R	V	Gd	S
L7016	19.	EC36-3R3K	3.3 $\pm$ 10%	65	7.96	94	0.34	670	O	O	Gd	S
	20.	EC36-3R9K	3.9 $\pm$ 10%	65	7.96	86	0.37	640	O	W	Gd	S
L7018	21.	EC36-4R7K	4.7 $\pm$ 10%	70	7.96	80	0.39	620	Y	V	Gd	S
	22.	EC36-5R6K	5.6 $\pm$ 10%	70	7.96	74	0.43	590	Gn	Be	Gd	S
L7020	23.	EC36-6R8K	6.8 $\pm$ 10%	75	7.96	58	0.48	550	Be	Gy	Gd	S
	24.	EC36-8R2K	8.2 $\pm$ 10%	80	7.96	53	0.52	530	Gy	R	Gd	S
L7022	25.	EC36-100K	10 $\pm$ 10%	85	7.96	45	0.58	500	Bn	Bk	Bk	S
	26.	EC36-120K	12 $\pm$ 10%	75	2.52	30	0.63	480	Bn	R	Bk	S
L7024	27.	EC36-150K	15 $\pm$ 10%	70	2.52	20	0.72	460	Bn	Gn	Bk	S
	28.	EC36-180K	18 $\pm$ 10%	65	2.52	14	0.77	430	Bn	Gy	Bk	S
L7026	29.	EC36-220K	22 $\pm$ 10%	40	2.52	9.9	0.84	410	R	R	Bk	S
	30.	EC36-270K	27 $\pm$ 10%	55	2.52	7.6	0.94	390	R	V	Bk	S
L7028	31.	EC36-330K	33 $\pm$ 10%	55	2.52	6.3	1.03	370	O	O	Bk	S
	32.	EC36-390K	39 $\pm$ 10%	50	2.52	6.3	1.12	350	O	W	Bk	S
L7030	33.	EC36-470K	47 $\pm$ 10%	45	2.52	6.3	1.22	340	Y	V	Bk	S
	34.	EC36-560K	56 $\pm$ 10%	40	2.52	6.2	1.34	320	Gn	Be	Bk	S
L7032	35.	EC36-680K	68 $\pm$ 10%	40	2.52	5.7	1.47	305	Be	Gy	Bk	S
	36.	EC36-820K	82 $\pm$ 10%	35	2.52	5.3	1.62	290	Gy	R	Bk	S
L7034	37.	EC36-101K	100 $\pm$ 10%	30	2.52	4.8	1.80	275	Bn	Bk	Bn	S
	38.	EC36-121K	120 $\pm$ 10%	70	0.796	3.8	3.70	185	Bn	R	Bn	S
L7036	39.	EC36-151K	150 $\pm$ 10%	70	0.796	3.5	4.20	175	Bn	Gn	Bn	S
	40.	EC36-181K	180 $\pm$ 10%	70	0.796	3.3	4.60	165	Bn	Gy	Bn	S
L7038	41.	EC36-221K	220 $\pm$ 10%	70	0.796	3.0	5.10	155	R	R	Bn	S
	42.	EC36-271K	270 $\pm$ 10%	65	0.796	2.8	5.80	145	R	V	Bn	S
L7040	43.	EC36-331K	330 $\pm$ 10%	65	0.796	2.6	6.40	137	O	O	Bn	S
	44.	EC36-391K	390 $\pm$ 10%	65	0.796	2.4	7.00	133	O	W	Bn	S
L7042	45.	EC36-471K	470 $\pm$ 10%	60	0.796	2.25	7.70	126	Y	V	Bn	S
	46.	EC36-561K	560 $\pm$ 10%	60	0.796	2.1	8.50	120	Gn	Be	Bn	S
L7044	47.	EC36-681K	680 $\pm$ 10%	55	0.796	1.95	9.40	113	Be	Gy	Bn	S
	48.	EC36-821K	820 $\pm$ 10%	55	0.796	1.85	12.0	100	Gy	R	Bn	S
L7046	49.	EC36-102K	1,000 $\pm$ 10%	50	0.252	1.4	12.4	100	Bn	Bk	R	s

L7048 EC46-152K  
 L7050 EC46-222K  
 L7052 EC46-332K  
 L7054 EC46-472K

— Last 4 **1-6**  
 Are EC46 series.