

# INDUCTORS

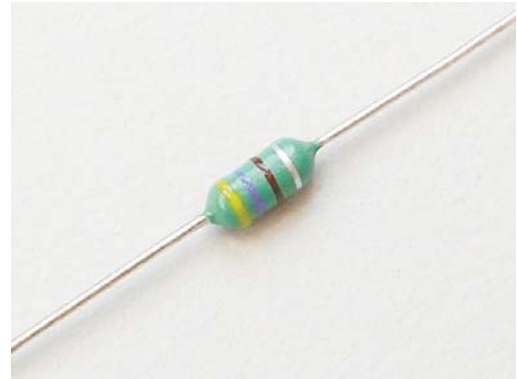
## Epoxy Coated Coils EC36 Series

**Features:**

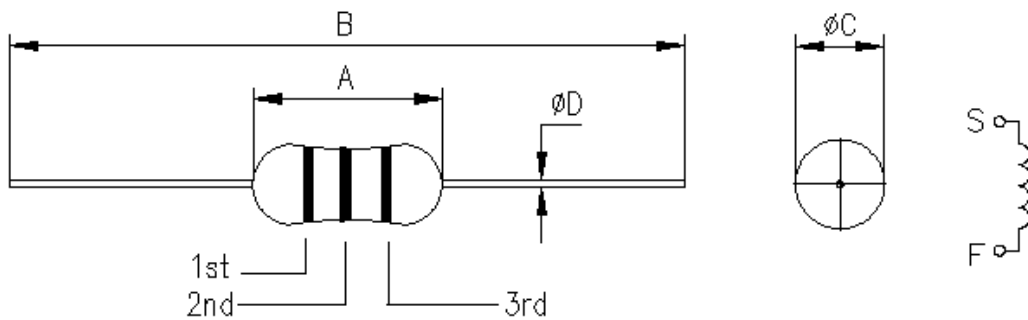
- \*Conformal coated inductors
- \*Reliable, ideal for high efficient automatic insertion
- \*Wide selection of configuration to meet different manufacturing needs

**Applications:**

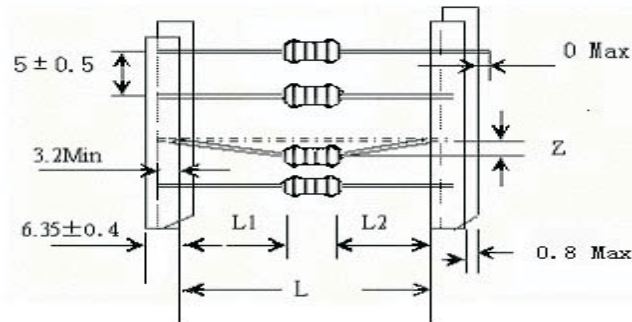
- \*Consumer electronics such as VCRs, TVs, audio equipment
- \*Mobile communications



**Dimensions (unit: mm)**



**Taping Dimensions**



A	B	C	D	L	Z
10.5 Max.	63.0±1.0	4.0 Max.	0.6±0.05	52±2.0	1.2 Max.

	Nominal inductance (µH)			Tolerance
	1st color zone	2nd color zone	3rd color zone	
	1st digit	2nd digit	3rd digit	
Black	0	0	× 100 (1)	M: ±20%
Brown	1	1	× 101 (10)	
Red	2	2	× 102 (100)	
Orange	3	3	× 103 (1000)	
Yellow	4	4	× 104 (10000)	
Green	5	5	× 105 (100000)	
Blue	6	6		
Purple	7	7		
Gray	8	8		
White	9	9		
Gold	/	/	× 10 <sup>-1</sup> (0.1)	J: ±5%
Silver	/	/	× 10 <sup>-2</sup> (0.01)	K: ±10%

## ORDER INFORMATION

RNP18 - EC36 -103 K - A

- EC36: Type
- 103 : Inductance Code
- K : Tolerance
- A : Packing A: Ammo packing R: Reel packing B: Bulk packing

## INDUCTORS

### Epoxy Coated Coils EC36 Series

Type	Inductance ( $\mu$ H)	Tolerance	Q (min)	RDC ( $\Omega$ ) max	Test frequency (MHz)	SRF (MHz) min	Rated current IDC (mA) max
EC36-R22	0.22	M: $\pm$ 20% K: $\pm$ 10% J: $\pm$ 5%	45	0.1	25.2	300	1400
EC36-R27	0.27		45	0.11	25.2	270	1320
EC36-R33	0.33		45	0.12	25.2	250	1280
EC36-R39	0.39		45	0.13	25.2	230	1200
EC36-R47	0.47		45	0.14	25.2	220	1150
EC36-R56	0.56		45	0.15	25.2	200	1122
EC36-R68	0.68		45	0.16	25.2	190	1030
EC36-R82	0.82		45	0.17	25.2	172	980
EC36-1R0	1		45	0.19	25.2	157	920
EC36-1R2	1.2		50	0.21	7.96	144	880
EC36-1R5	1.5		50	0.23	7.96	131	830
EC36-1R8	1.8		55	0.25	7.96	121	790
EC36-2R2	2.2		55	0.28	7.96	110	750
EC36-2R7	2.7		60	0.3	7.96	100	720
EC36-3R3	3.3		65	0.34	7.96	94	670
EC36-3R9	3.9		65	0.37	7.96	65	640
EC36-4R7	4.7		70	0.39	7.96	56	620
EC36-5R6	5.6		70	0.43	7.96	48	590
EC36-6R8	6.8		75	0.48	7.96	37	550
EC36-8R2	8.2		80	0.52	7.96	25	530
EC36-100	10		65	0.58	7.96	21	500
EC36-120	12		50	0.63	2.52	19	480
EC36-150	15		50	0.72	2.52	17	460
EC36-180	18		50	0.77	2.52	13	430
EC36-220	22		50	0.84	2.52	9.6	410
EC36-270	27		55	0.94	2.52	7.2	390
EC36-330	33		55	1.03	2.52	6.3	370
EC36-390	39		50	1.12	2.52	6.3	350
EC36-470	47		45	1.22	2.52	6.3	340
EC36-560	56		40	1.34	2.52	6.2	320
EC36-680	68		40	1.47	2.52	5.7	305
EC36-820	82		35	1.62	2.52	5.3	290
EC36-101	100		30	1.8	2.52	4.8	275
EC36-121	120		55	3.7	0.796	3.8	185
EC36-151	150		45	4.2	0.796	3.5	175
EC36-181	180		50	4.6	0.796	3.3	165
EC36-221	220		55	5.1	0.796	3	155
EC36-271	270		65	5.8	0.796	2.8	145
EC36-331	330		65	6.4	0.796	2.6	137
EC36-391	390		65	7	0.796	2.4	133
EC36-471	470		60	7.7	0.796	2.25	126
EC36-561	560		60	8.5	0.796	2.1	120
EC36-681	680	55	9.4	0.796	1.95	113	
EC36-821	820	55	10.5	0.796	1.85	105	
EC36-102	1000	50	14	0.796	1.4	100	
Test equipment	HP4285A (HP4286A, HP4287A)			HP4338B		HM9461	HP42841A