

INDUCTORS

Epoxy Coated Coils EC24 Series

Features:

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

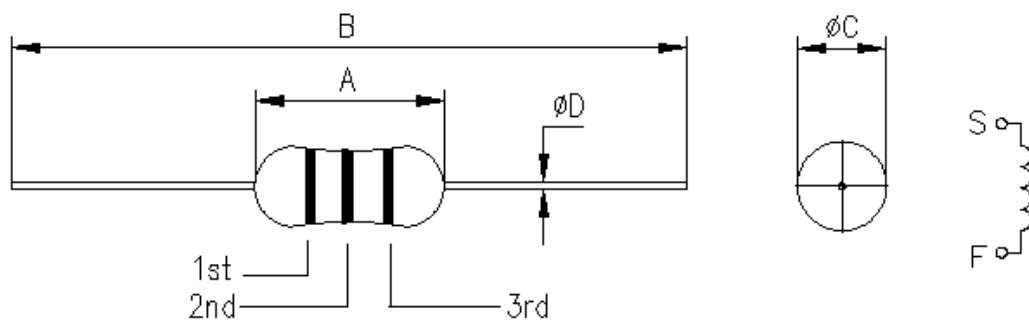
Applications:

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

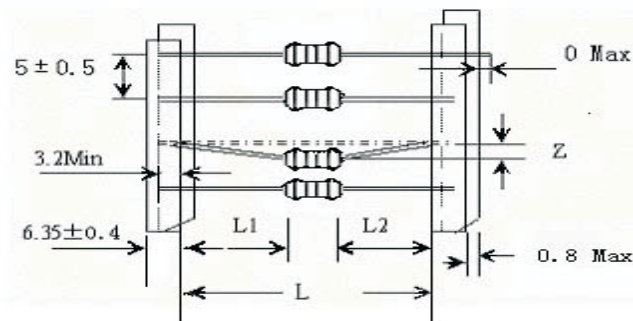


XIX

Dimensions (unit: mm)



Taping Dimensions



A	B	C	D	L	Z
7.0 Max.	63.0±1.0	2.8 Max.	0.5±0.05	52±2.0	1.2 Max.

	Nominal inductance (μH)			Tolerance
	1st color zone 1st digit	2nd color zone 2nd digit	3rd color zone 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 ⁻¹ (0.1)	
Silver	/	/	× 10 ⁻² (0.01)	

ORDER INFORMATION

KLS18 - EC24 -103 K - A

EC24: Type
103 : Inductance Code
K : Tolerance
A : Packing A: Ammo packing R: Reel packing B: Bulk packing

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Type	Inductance (μ H)	Tolerance	Q (min)	RDC (Ω) max	Test frequency (MHz)	SRF (MHz) min	Rated current IDC (mA) max
EC24-R27	0.27	M: $\pm 20\%$ K: $\pm 10\%$ J: $\pm 5\%$	35	0.43	25.2	150	380
EC24-R33	0.33		35	0.48	25.2	150	370
EC24-R39	0.39		35	0.51	25.2	150	350
EC24-R47	0.47		40	0.56	25.2	150	330
EC24-R56	0.56		40	0.61	25.2	150	320
EC24-R68	0.68		40	0.67	25.2	150	310
EC24-R82	0.82		40	0.74	25.2	150	290
EC24-1R0	1		40	0.8	25.2	150	270
EC24-1R2	1.2		50	0.9	7.96	144	260
EC24-1R5	1.5		50	1	7.96	131	250
EC24-1R8	1.8		50	1.1	7.96	121	240
EC24-2R2	2.2		50	1.2	7.96	110	230
EC24-2R7	2.7		50	1.3	7.96	100	220
EC24-3R3	3.3		50	1.4	7.96	94	210
EC24-3R9	3.9		50	1.6	7.96	65	200
EC24-4R7	4.7		50	1.7	7.96	56	190
EC24-5R6	5.6		50	1.9	7.96	48	180
EC24-6R8	6.8		50	2	7.96	37	175
EC24-8R2	8.2		50	2.2	7.96	25	165
EC24-100	10		50	2.5	7.96	21	160
EC24-120	12		50	2.5	2.52	19	150
EC24-150	15		50	2.8	2.52	17	145
EC24-180	18		50	3.1	2.52	13	140
EC24-220	22		50	3.4	2.52	9.6	130
EC24-270	27		50	3.8	2.52	7.2	125
EC24-330	33		50	4.1	2.52	6.3	120
EC24-390	39		50	4.5	2.52	6.3	115
EC24-470	47		50	4.9	2.52	6.3	110
EC24-560	56		50	5.3	2.52	6.2	105
EC24-680	68		50	5.8	2.52	5.7	100
EC24-820	82		50	6.3	2.52	5.3	95
EC24-101	100		50	7	2.52	4.8	90
EC24-121	120		50	13	0.796	3.8	90
EC24-151	150		50	15	0.796	3.5	85
EC24-181	180		50	16	0.796	3.3	80
EC24-221	220		50	17	0.796	3	75
EC24-271	270		50	19	0.796	2.8	65
EC24-331	330		50	20	0.796	2.6	60
EC24-391	390		50	22	0.796	2.4	55
EC24-471	470		50	24	0.796	2.25	55
EC24-561	560		50	26	0.796	2.1	50
EC24-681	680		50	28	0.796	1.95	45
EC24-821	820		50	30	0.796	1.85	40
EC24-102	1000		50	33	0.796	1.4	40
Test equipment	HP4285A (HP4286A, HP4287A)			HP4338B		HM9461	HP42841A