

INDUCTORS

Epoxy Coated Coils EC22 Series

Features:

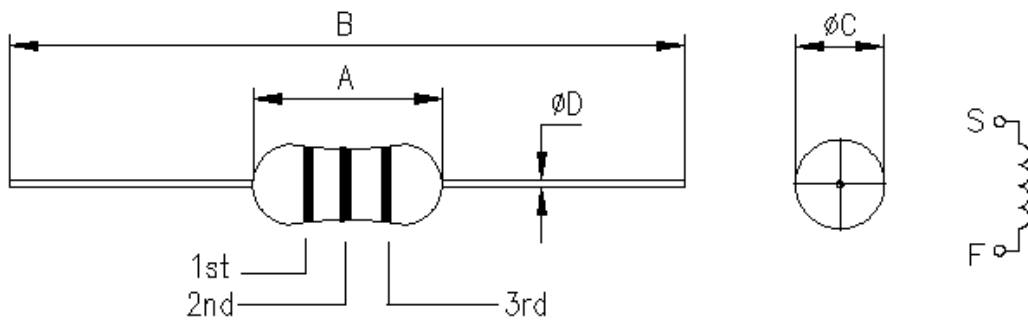
- *Conformal coated inductors
- *Reliable, ideal for high efficient automatic insertion
- *Wide selection of configuration to meet different manufacturing needs

Applications:

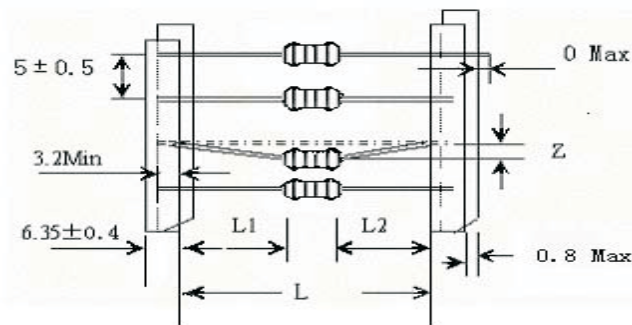
- *Consumer electronics such as VCRs, TVs, audio equipment
- *Mobile communications



Dimensions (unit: mm)



Taping Dimensions



A	B	C	D	L	Z
4.5 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	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 ⁻¹ (0.1)	J: ±5%
Silver	/	/	× 10 ⁻² (0.01)	K: ±10%

ORDER INFORMATION

KLS18 - EC22 -103 K - A

- EC22: Type
- 103 : Inductance Code
- K : Tolerance
- A : Packing A: Ammo packing R: Reel packing B: Bulk packing

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Type	Inductance (μH)	Tolerance	Q (min)	RDC (Ω) max	Test frequency (MHz)	SRF (MHz) min	Rated current IDC (mA) max	
EC22-R22	0.22	M: ±20% K: ±10% J: ±5%	35	0.4	25.2	150	400	
EC22-R27	0.27		35	0.43	25.2	150	380	
EC22-R33	0.33		35	0.48	25.2	150	370	
EC22-R39	0.39		35	0.51	25.2	150	350	
EC22-R47	0.47		35	0.56	25.2	150	330	
EC22-R56	0.56		35	0.61	25.2	150	320	
EC22-R68	0.68		35	0.67	25.2	150	310	
EC22-R82	0.82		35	0.74	25.2	150	290	
EC22-1R0	1		35	0.8	25.2	150	270	
EC22-1R2	1.2		40	0.9	7.96	110	260	
EC22-1R5	1.5		40	1	7.96	80	250	
EC22-1R8	1.8		40	1.1	7.96	60	240	
EC22-2R2	2.2		40	1.2	7.96	45	230	
EC22-2R7	2.7		40	1.3	7.96	40	220	
EC22-3R3	3.3		40	1.4	7.96	38	210	
EC22-3R9	3.9		40	1.6	7.96	35	200	
EC22-4R7	4.7		40	1.7	7.96	32	190	
EC22-5R6	5.6		40	1.9	7.96	30	180	
EC22-6R8	6.8		40	2	7.96	28	175	
EC22-8R2	8.2		40	2.2	7.96	26	165	
EC22-100	10		40	2.5	7.96	24	160	
EC22-120	12		40	2.5	2.52	22	150	
EC22-150	15		40	2.8	2.52	20	145	
EC22-180	18		40	3.1	2.52	18	140	
EC22-220	22		40	3.4	2.52	17	130	
EC22-270	27		40	4.3	2.52	16	80	
EC22-330	33		40	4.7	2.52	14	76	
EC22-390	39		40	5.2	2.52	13	74	
EC22-470	47		40	5.8	2.52	12	70	
EC22-560	56		40	6.4	2.52	11	68	
EC22-680	68		40	7.2	2.52	10	64	
EC22-820	82		40	11	2.52	9.5	46	
EC22-101	100		40	12	2.52	9	44	
EC22-121	120		40	13	0.796	8	42	
EC22-151	150		40	16	0.796	6	39	
EC22-181	180		40	18	0.796	5.5	37	
EC22-221	220		40	20	0.796	5	35	
Test equipment	HP4285A (HP4286A, HP4287A)				HP4338B		HM9461	HP42841A