

miniature axial fixed inductor

Type EC24 (0.027 ~ 1000) μ H

- Ferrite core
- High Q
- High S.R.F.
- Miniature case
- Epoxy coated

Electrical specification

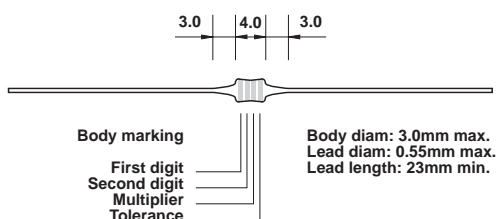
Case style	EC24 miniature axial
Range	(0.027 ~ 1000) μ H
Marking	Standard four colour code
Temperature range	(-20 +100) $^{\circ}$ C, based on max. ambient temp. rating at +80 $^{\circ}$ C and max. temp. rise of +20 $^{\circ}$ C during operation
Voltage rating	250V r.m.s. max.
Current rating	Based on max. permissible temp. rise during operation
Lead tensile strength	1.0Kg min.
Lead bending strength	0.3Kg min.
Moisture resistance	μ H \pm 5% max., Q \pm 20% max., relative humidity 90% ~ 95%, +40 $^{\circ}$ C, 24 hours

Marking

Four colour bands are used to indicate value and tolerance using standard colour codes as follows:

Colour	Value	Multiplier	Tolerance
Black	0	1	
Brown	1	10	
Red	2	100	
Orange	3	1000	
Yellow	4		
Green	5		
Blue	6		
Violet	7		
Grey	8		
White	9		
Black			\pm 20%
Silver		0.01	\pm 10%
Gold		0.1	\pm 5%

Dimensions(mm) and identification



Standard values

TFC Part No.	μ H \pm %	Q min.	Test Freq. MHz	S.R.F. min. MHz	Ω d.c. max.	I d.c. max. mA
EC24-R027M-CC	0.027	40	50.0	500	0.02	520
EC24-R033M-CC	0.033	40	50.0	490	0.02	500
EC24-R039M-CC	0.039	40	50.0	480	0.02	500
EC24-R047M-CC	0.047	40	50.0	480	0.03	500
EC24-R056M-CC	0.056	40	50.0	470	0.045	460
EC24-R068M-CC	0.068	40	50.0	470	0.05	460
EC24-R082M-CC	0.082	40	50.0	470	0.05	460
EC24-R10K	0.1	40	25.2	470	0.08	700
EC24-R12K	0.12	40	25.2	450	0.08	700
EC24-R15K	0.15	40	25.2	430	0.09	700
EC24-R18K	0.18	40	25.2	410	0.10	700
EC24-R22K	0.22	40	25.2	380	0.12	700
EC24-R27K	0.27	40	25.2	360	0.15	680
EC24-R33K	0.33	40	25.2	350	0.16	680
EC24-R39K	0.39	40	25.2	320	0.18	680
EC24-R47K	0.47	40	25.2	300	0.26	650
EC24-R56K	0.56	40	25.2	280	0.38	500
EC24-R68K	0.68	40	25.2	250	0.42	500
EC24-R82K	0.82	40	25.2	200	0.55	450
EC24-1R0K	1.0	40	25.2	180	0.12	700
EC24-1R2K	1.2	40	7.96	165	0.18	700
EC24-1R5K	1.5	45	7.96	150	0.20	700
EC24-1R8K	1.8	50	7.96	125	0.23	655
EC24-2R2K	2.2	50	7.96	85	0.25	630
EC24-2R7K	2.7	50	7.96	80	0.28	595
EC24-3R3K	3.3	50	7.96	75	0.30	575
EC24-3R9K	3.9	45	7.96	65	0.32	555
EC24-4R7K	4.7	45	7.96	45	0.35	530
EC24-5R6K	5.6	45	7.96	36	0.40	500
EC24-6R8K	6.8	40	7.96	30	0.45	470
EC24-8R2K	8.2	40	7.96	28	0.55	425
EC24-100K	10	40	7.96	22	0.72	370
EC24-120K	12	45	2.52	20	0.80	350
EC24-150K	15	50	2.52	16	0.88	335
EC24-180K	18	50	2.52	15	1.00	315
EC24-220K	22	50	2.52	13	1.20	285
EC24-270K	27	50	2.52	11	1.35	270
EC24-330K	33	50	2.52	10	1.50	255
EC24-390K	39	50	2.52	9.5	1.70	240
EC24-470K	47	60	2.52	8.5	2.30	205
EC24-560K	56	60	2.52	7.5	2.60	195
EC24-680K	68	60	2.52	6.5	3.20	185
EC24-820K	82	60	2.52	6.0	3.50	175
EC24-101K	100	60	2.52	5.5	3.80	165
EC24-121K	120	60	0.796	5.4	3.80	160
EC24-151K	150	60	0.796	4.75	4.40	150
EC24-181K	180	60	0.796	4.35	5.00	140
EC24-221K	220	60	0.796	4.00	5.70	130
EC24-271K	270	60	0.796	3.70	6.50	120
EC24-331K	330	60	0.796	3.40	9.50	100
EC24-391K	390	60	0.796	2.80	10.5	95
EC24-471K	470	60	0.796	2.40	12.5	90
EC24-561K	560	60	0.796	2.20	14.5	85
EC24-681K	680	60	0.796	2.00	18.0	75
EC24-821K	820	60	0.796	1.60	23.7	65
EC24-102K	1000	60	0.796	1.15	30.0	60