

# Axial lead chokes - EC 24 series



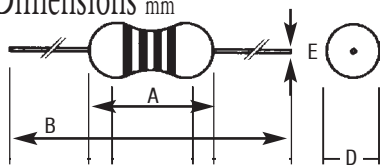
## Features

- High performance miniature coils
- Good humidity resistance from epoxy resin coating
- High-grade ferrite core
- Extended self-resonant frequency (SFR) and Q factor
- Supplied bulk or tape reeled
- Colour-coded identification
- Strong lead-wire anchorage
- Low cost

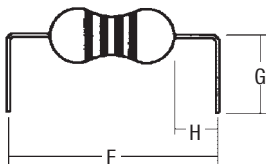
## Specifications

<b>Style</b>	Axial lead type
<b>Rated temperature range</b>	-20 to + 80°C
<b>Dielectric withstand voltage</b>	250 Vrms
<b>Rated current</b>	Based on temperature rise not to exceed 20°C
<b>Terminal tensile strength</b>	1.0 Kg min
<b>Terminal bending strength</b>	0.3 Kg min
<b>Moisture resistance</b>	$\Delta L/L \geq \pm 5\%$ $\Delta Q/Q \geq \pm 20\%$

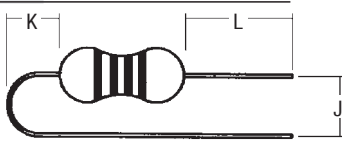
## Dimensions mm



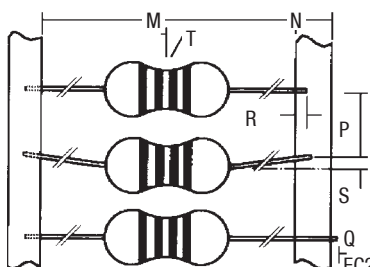
	A	B	DØ	EØ
EC24	8 max	62 ± 2	3.0	0.50 ± 0.05



	F	G (min)	H (max)
EC24 XXX X U	10-20	4.0	4.0



	J (Typ)	K (max)	L (min)
EC24 XXX XF	6.0	6.0	3.6



	M	N	P	Q max	R max	S max	T max
EC24 XXX X T5A	52 ± 1	6 ± 1	5 ± 0.5	0.5	2.5	1.0	1.0

## Electrical Data

Part N°	L @ 1kHz ( $\mu\text{H} \pm 10\%$ )	Q min	Test Freq (MHz)	SFR (MHz) min	Rdc ( $\Omega$ ) max	Idc (mA) max
EC24-R10M	0.10	40	25.200	470.00	0.08	700
EC24-R12M	0.12	40	25.200	450.00	0.08	700
EC24-R15M	0.15	40	25.200	430.00	0.09	700
EC24-R18M	0.18	40	25.200	410.00	0.10	700
EC24-R22M	0.22	40	25.200	380.00	0.12	700
EC24-R27M	0.27	40	25.200	360.00	0.15	680
EC24-R33M	0.33	40	25.200	350.00	0.16	680
EC24-R39M	0.39	40	25.200	320.00	0.18	680
EC24-R47M	0.47	40	25.200	300.00	0.26	650
EC24-R56M	0.56	40	25.200	280.00	0.38	500
EC24-R68M	0.68	40	25.200	250.00	0.42	500
EC24-R82M	0.82	40	25.200	200.00	0.55	450
EC24-1R0K	1.00	65	25.200	180.00	0.12	700
EC24-1R2K	1.20	50	7.960	165.00	0.18	700
EC24-1R5K	1.50	50	7.960	150.00	0.20	700
EC24-1R8K	1.80	70	7.960	125.00	0.23	655
EC24-2R2K	2.20	50	7.960	85.00	0.25	630
EC24-2R7K	2.70	60	7.960	80.00	0.28	595
EC24-3R3K	3.30	60	7.960	75.00	0.30	575
EC24-3R9K	3.90	60	7.960	65.00	0.32	555
EC24-4R7K	4.70	50	7.960	45.00	0.35	530
EC24-5R6K	5.60	50	7.960	36.00	0.40	500
EC24-6R8K	6.80	50	7.960	30.00	0.45	470
EC24-8R2K	8.20	50	7.960	28.00	0.55	425
EC24-100K	10.00	50	7.960	22.00	0.72	370
EC24-120K	12.00	50	2.520	20.00	0.80	350
EC24-150K	15.00	50	2.520	16.00	0.88	335
EC24-180K	18.00	50	2.520	15.00	1.00	315
EC24-220K	22.00	60	2.520	13.00	1.20	285
EC24-270K	27.00	60	2.520	11.00	1.35	270
EC24-330K	33.00	50	2.520	10.00	1.50	255
EC24-390K	39.00	50	2.520	9.50	1.70	240
EC24-470K	47.00	50	2.520	8.50	2.30	205
EC24-560K	56.00	55	2.520	7.50	2.60	195
EC24-680K	68.00	55	2.520	6.50	3.20	185
EC24-820K	82.00	55	2.520	6.00	3.50	175
EC24-101K	100.00	60	2.520	5.50	3.80	165
EC24-121K	120.00	75	0.796	5.40	3.80	160
EC24-151K	150.00	75	0.796	4.75	4.40	150
EC24-181K	180.00	75	0.796	4.35	5.00	140
EC24-221K	220.00	75	0.796	4.00	5.70	130
EC24-271K	270.00	70	0.796	3.70	6.50	120
EC24-331K	330.00	70	0.796	3.40	9.50	100
EC24-391K	390.00	70	0.796	2.80	10.50	95
EW24-471K	470.00	70	0.796	2.40	12.50	90
EC24-561K	560.00	70	0.796	2.20	14.50	85
EC24-681K	680.00	70	0.796	2.00	18.00	75
EC24-821K	820.00	60	0.796	1.60	23.70	65
EC24-102K	1000.00	60	0.796	1.15	30.00	60

Colour code	Black	Brown	Red	Orange	Yellow	Green	Blue	Violet	Grey	White
Significant	0	1	2	3	4	5	6	7	8	9
Multiplier	1	10	100	1000	-	-	-	-	-	-
Tolerance	Black = ± 20%, Silver = ± 10%, Gold = ± 5%									
Right to left :	First significant figure, Second significant figure, Multiplier, Tolerance									

ORDERING INFORMATION: EC 24 471 K T5A  
 serie inductance value K +/- 10% F Forming type M +/- 20% U Forming type