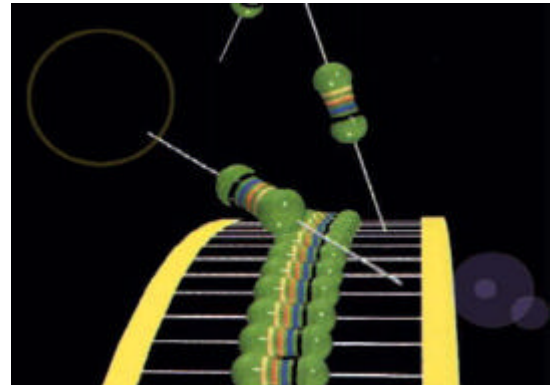


ECM Epoxy Coated Axial Chokes

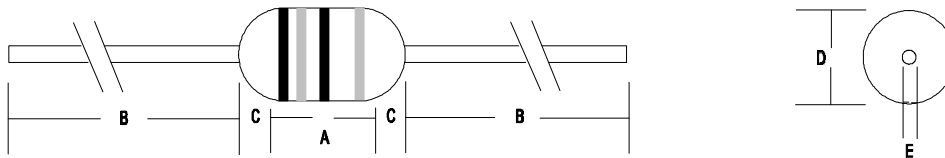
EC22/24/36/46 Series

- 4 Component Sizes
- Pre-forming options
- Excellent Humidity Resistance
- Low Cost
- Typical Reel Size 5000pcs



This range of axial chokes from ECM offer a common and highly cost effective answer to the majority of coiled inductor requirements. Available in four sizes **EC22**, **EC24**, **EC36** and **EC46**, they are specially designed to offer high 'Q' and perfect humidity resistance, these reliable and highly durable components are suitable for a wide range of consumer electronic applications.

COMPONENT OUTLINE



DIMENSIONS (mm)

TYPE	a	b	c	d \varnothing	e \varnothing
EC22	2.0	28	1.5	2.8	0.50
EC24	4.0	28	2.0	3.0	0.50
EC36	6.0	28	2.0	4.0	0.65
EC46	6.0	28	2.0	5.0	0.65

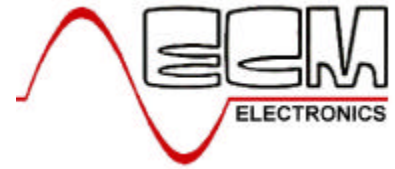
MARKING BANDS = first significant figure, second significant figure, multiplier, tolerance (%)

	Black	Brown	Red	Orange	Yellow	Green	Blue	Violet	Grey	White	Silver	Gold
Significant	0	1	2	3	4	5	6	7	8	9	-	-
Multiplier	1	10	100	1000	10000	-	-	-	-	-	-	-
Tolerance	+/- 20%	-	-	-	-	-	-	-	-	-	+/-10%	+/- 5%

ECM Electronics Limited, Penmaen House, Ashington, West Sussex, RH20 3JR, UK
 Tel: +44(0)1903 892810: Fax: +44(0)1903 892738. Email: ecm@ecmelectronics.co.uk

Although we have attempted to accurately reflect the products we market. ECM reserve the right without prior notice to discontinue any product or make design changes we believe necessary.

ECM Epoxy Coated Axial Chokes



ECM Part	L (µH)	Tol %	Q Min. (**MHz)	SRF Min. (MHz)	R_{DC} MAX (W)	I_{DC} I_N (mA)
-----------------	---------------	--------------	-----------------------	-----------------------	-------------------------------	--

EC22 Series

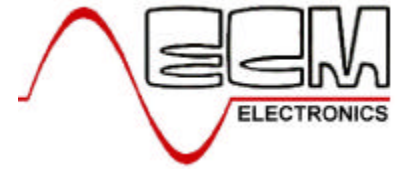
EC22T-R10	0.10 @25.2 MHz	K,M	40	250	0.12	790
EC22T-R12	0.12 @25.2 MHz	K,M	40	230	0.14	790
EC22T-R15	0.15 @25.2 MHz	K,M	40	210	0.16	790
EC22T-R18	0.18 @25.2 MHz	K,M	40	190	0.18	745
EC22T-R22	0.22 @25.2 MHz	K,M	40	175	0.20	705
EC22T-R27	0.27 @25.2 MHz	K,M	40	160	0.22	670
EC22T-R33	0.33 @25.2 MHz	K,M	40	150	0.24	645
EC22T-R39	0.39 @25.2 MHz	K,M	50	150	0.27	605
EC22T-R47	0.47 @25.2 MHz	K,M	50	150	0.30	575
EC22T-R56	0.56 @25.2 MHz	K,M	50	150	0.34	540
EC22T-R68	0.68 @25.2 MHz	K,M	50	120	0.38	510
EC22T-R82	0.82 @25.2 MHz	K,M	40	120	0.43	480
EC22T-1R0	1.0 @25.2 MHz	J,K	40	120	0.46	465
EC22T-1R2	1.2 @7.96 MHz	J,K	30	100	0.52	435
EC22T-1R5	1.5 @7.96 MHz	J,K	30	80	0.57	415
EC22T-1R8	1.8 @7.96 MHz	J,K	30	66	0.60	405
EC22T-2R2	2.2 @7.96 MHz	J,K	30	60	0.65	390
EC22T-2R7	2.7 @7.96 MHz	J,K	30	54	0.73	370
EC22T-3R3	3.3 @7.96 MHz	J,K	40	36	0.82	345
EC22T-3R9	3.9 @7.96 MHz	J,K	40	32	0.90	330
EC22T-4R7	4.7 @7.96 MHz	J,K	40	30	1.00	315
EC22T-5R6	5.6 @7.96 MHz	J,K	40	38	1.10	300
EC22T-6R8	6.8 @7.96 MHz	J,K	40	27	1.20	285
EC22T-8R2	8.2 @7.96 MHz	J,K	40	26	1.30	275
EC22T-100	10 @7.96 MHz	J,K	40	24	1.40	265
EC22T-120	12 @2.52 MHz	J,K	40	22	1.50	255
EC22T-150	15 @2.52 MHz	J,K	40	19	2.30	245
EC22T-180	18 @2.52 MHz	J,K	50	18	2.40	225
EC22T-220	22 @2.52 MHz	J,K	50	17	2.90	210
EC22T-270	27 @2.52 MHz	J,K	50	15	3.00	200
EC22T-330	33 @2.52 MHz	J,K	50	14	4.80	160
EC22T-390	39 @2.52 MHz	J,K	50	12	5.30	150
EC22T-470	47 @2.52 MHz	J,K	50	11	5.80	145
EC22T-560	56 @2.52 MHz	J,K	50	10	7.40	140
EC22T-680	68 @2.52 MHz	J,K	50	9.5	8.25	130
EC22T-820	82 @2.52 MHz	J,K	50	9	9.50	100
EC22T-101	100 @2.52 MHz	J,K	50	7	14.50	95
EC22T-121	120 @ 0.796 MHz	J,K	50	6.5	16.00	85
EC22T-151	150 @ 0.796 MHz	J,K	30	5.5	18.50	80
EC22T-181	180 @ 0.796 MHz	J,K	30	5.2	20.00	75
EC22T-221	220 @ 0.796 MHz	J,K	30	4.7	22.00	70

TOLERANCES J=5%; K= 10%; M=20%.

ECM Electronics Limited, Penmaen House, Ashington, West Sussex, RH20 3JR, UK
Tel: +44(0)1903 892810: Fax: +44(0)1903 892738. Email: ecm@ecmelectronics.co.uk

Although we have attempted to accurately reflect the products we market. ECM reserve the right without prior notice to discontinue any product or make design changes we believe necessary.

ECM Epoxy Coated Axial Chokes



ECM Part	L (µH)	Tol %	Q Min. (**MHz)	SRF Min. (MHz)	R_{DC} MAX (W)	I_{DC} I_N (mA)
-----------------	---------------	--------------	-----------------------	-----------------------	-------------------------------	--

EC24 Series

EC24T-R10	0.10 @25.2 MHz	K,M	40	470	0.08	700
EC24T-R12	0.12 @25.2 MHz	K,M	40	450	0.08	700
EC24T-R15	0.15 @25.2 MHz	K,M	40	430	0.09	700
EC24T-R18	0.18 @25.2 MHz	K,M	40	410	0.10	700
EC24T-R22	0.22 @25.2 MHz	K,M	40	380	0.12	700
EC24T-R27	0.27 @25.2 MHz	K,M	40	360	0.15	680
EC24T-R33	0.33 @25.2 MHz	K,M	40	350	0.16	680
EC24T-R39	0.39 @25.2 MHz	K,M	40	320	0.18	680
EC24T-R47	0.47 @25.2 MHz	K,M	40	300	0.26	650
EC24T-R56	0.56 @25.2 MHz	K,M	40	280	0.38	500
EC24T-R68	0.68 @25.2 MHz	K,M	40	250	0.42	500
EC24T-R82	0.82 @25.2 MHz	K,M	40	200	0.55	450
EC24T-1R0	1.0 @25.2 MHz	J,K	40	180	0.12	700
EC24T-1R2	1.2 @7.96 MHz	J,K	40	165	0.18	700
EC24T-1R5	1.5 @7.96 MHz	J,K	45	150	0.20	700
EC24T-1R8	1.8 @7.96 MHz	J,K	50	125	0.23	655
EC24T-2R2	2.2 @7.96 MHz	J,K	50	85	0.25	630
EC24T-2R7	2.7 @7.96 MHz	J,K	50	80	0.28	595
EC24T-3R3	3.3 @7.96 MHz	J,K	50	75	0.30	575
EC24T-3R9	3.9 @7.96 MHz	J,K	45	65	0.32	555
EC24T-4R7	4.7 @7.96 MHz	J,K	45	45	0.35	530
EC24T-5R6	5.6 @7.96 MHz	J,K	45	36	0.40	500
EC24T-6R8	6.8 @7.96 MHz	J,K	40	30	0.45	470
EC24T-8R2	8.2 @7.96 MHz	J,K	40	28	0.55	425
EC24T-100	10 @7.96 MHz	J,K	40	22	0.72	370
EC24T-120	12 @2.52 MHz	J,K	45	20	0.80	350
EC24T-150	15 @2.52 MHz	J,K	50	16	0.88	335
EC24T-180	18 @2.52 MHz	J,K	50	15	1.00	315
EC24T-220	22 @2.52 MHz	J,K	50	13	1.20	285
EC24T-270	27 @2.52 MHz	J,K	50	11	1.35	270
EC24T-330	33 @2.52 MHz	J,K	50	10	1.50	255
EC24T-390	39 @2.52 MHz	J,K	50	9.5	1.70	240
EC24T-470	47 @2.52 MHz	J,K	60	8.5	2.30	205
EC24T-560	56 @2.52 MHz	J,K	60	7.5	2.60	195
EC24T-680	68 @2.52 MHz	J,K	60	6.5	3.20	185
EC24T-820	82 @2.52 MHz	J,K	60	6.0	3.50	175
EC24T-101	100 @2.52 MHz	J,K	60	5.5	3.80	165
EC24T-121	120 @ 0.796 MHz	J,K	60	5.4	3.80	160
EC24T-151	150 @ 0.796 MHz	J,K	60	4.75	4.40	150
EC24T-181	180 @ 0.796 MHz	J,K	60	4.35	5.00	140
EC24T-221	220 @ 0.796 MHz	J,K	60	4.0	5.70	130

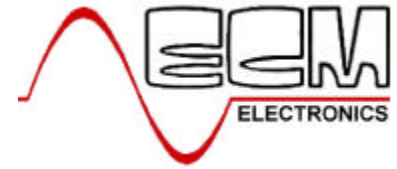
TOLERANCES J=5%; K= 10%; M=20%.

**** = Test Frequency as specified in 'L' column**

ECM Electronics Limited, Penmaen House, Ashington, West Sussex, RH20 3JR, UK
Tel: +44(0)1903 892810: Fax: +44(0)1903 892738. Email: ecm@ecmelectronics.co.uk

Although we have attempted to accurately reflect the products we market. ECM reserve the right without prior notice to discontinue any product or make design changes we believe necessary.

ECM Epoxy Coated Axial Chokes



ECM Part	L (nH)	Tol %	Q Min. (**MHz)	SRF Min. (MHz)	R_{DC} MAX (W)	I_{DC} I_N (mA)
-----------------	---------------	--------------	-----------------------	-----------------------	-------------------------------	--

EC24 Series continued...

EC24T-271	270 @ 0.796 MHz	J,K	60	3.7	6.50	120
EC24T-331	330 @ 0.796 MHz	J,K	60	3.4	9.50	100
EC24T-391	390 @ 0.796 MHz	J,K	60	2.8	10.50	95
EC24T-471	470 @ 0.796 MHz	J,K	60	2.4	12.50	90
EC24T-561	560 @ 0.796 MHz	J,K	60	2.2	14.50	85
EC24T-681	680 @ 0.796 MHz	J,K	60	2.0	18.00	75
EC24T-821	820 @ 0.796 MHz	J,K	60	1.6	23.70	65
EC24T-102	1000 @ 0.796 MHz	J,K	60	1.15	30.00	60

EC36 Series

EC36T-R10	0.10 @25.2 MHz	J,K	50	470	0.04	900
EC36T-R12	0.12 @25.2 MHz	J,K	50	450	0.06	900
EC36T-R15	0.15 @25.2 MHz	J,K	50	430	0.07	700
EC36T-R18	0.18 @25.2 MHz	J,K	50	410	0.07	700
EC36T-R22	0.22 @25.2 MHz	J,K	50	380	0.08	700
EC36T-R27	0.27 @25.2 MHz	J,K	50	340	0.09	680
EC36T-R33	0.33 @25.2 MHz	J,K	50	300	0.10	680
EC36T-R39	0.39 @25.2 MHz	J,K	50	280	0.12	680
EC36T-R47	0.47 @25.2 MHz	J,K	50	250	0.16	650
EC36T-R56	0.56 @25.2 MHz	J,K	50	230	0.18	600
EC36T-R68	0.68 @25.2 MHz	J,K	50	210	0.22	550
EC36T-R82	0.82 @25.2 MHz	J,K	50	172	0.24	980
EC36T-1R0	1.0 @25.2 MHz	J,K	50	157	0.09	920
EC36T-1R2	1.2 @7.96 MHz	J,K	50	144	0.10	880
EC36T-1R5	1.5 @7.96 MHz	J,K	50	131	0.23	830
EC36T-1R8	1.8 @7.96 MHz	J,K	55	121	0.25	790
EC36T-2R2	2.2 @7.96 MHz	J,K	55	110	0.28	750
EC36T-2R7	2.7 @7.96 MHz	J,K	60	100	0.30	720
EC36T-3R3	3.3 @7.96 MHz	J,K	65	94	0.34	670
EC36T-3R9	3.9 @7.96 MHz	J,K	65	86	0.37	640
EC36T-4R7	4.7 @7.96 MHz	J,K	70	80	0.39	620
EC36T-5R6	5.6 @7.96 MHz	J,K	70	74	0.43	590
EC36T-6R8	6.8 @7.96 MHz	J,K	75	58	0.48	550
EC36T-8R2	8.2 @7.96 MHz	J,K	80	53	0.52	530
EC36T-100	10 @7.96 MHz	J,K	85	45	0.58	500
EC36T-120	12 @2.52 MHz	J,K	75	30	0.63	480
EC36T-150	15 @2.52 MHz	J,K	70	20	0.72	460
EC36T-180	18 @2.52 MHz	J,K	65	14	0.77	430
EC36T-220	22 @2.52 MHz	J,K	40	9.9	0.84	410
EC36T-270	27 @2.52 MHz	J,K	55	7.6	0.94	390

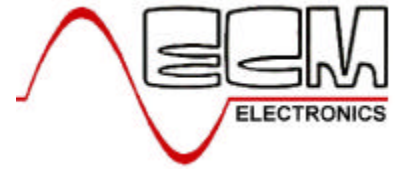
TOLERANCES J=5%; K= 10%; M=20%.

**** = Test Frequency as specified in 'L' column**

ECM Electronics Limited, Penmaen House, Ashington, West Sussex, RH20 3JR, UK
Tel: +44(0)1903 892810: Fax: +44(0)1903 892738. Email: ecm@ecmelectronics.co.uk

Although we have attempted to accurately reflect the products we market. ECM reserve the right without prior notice to discontinue any product or make design changes we believe necessary.

ECM Epoxy Coated Axial Chokes



ECM Part	L (µH)	Tol %	Q Min. (**MHz)	SRF Min. (MHz)	R_{DC} MAX (W)	I_{DC} I_N (mA)
-----------------	---------------	--------------	-----------------------	-----------------------	-------------------------------	--

EC36 Series continued...

EC36T-330	33 @ 2.52 MHz	J,K	55	6.3	1.03	370
EC36T-390	39 @ 2.52 MHz	J,K	50	6.3	1.12	350
EC36T-470	47 @ 2.52 MHz	J,K	45	6.3	1.22	340
EC36T-560	56 @ 2.52 MHz	J,K	40	6.2	1.34	320
EC36T-680	68 @ 2.52 MHz	J,K	40	5.7	1.47	305
EC36T-820	82 @ 2.52 MHz	J,K	35	5.3	1.62	290
EC36T-101	100 @ 2.52 MHz	J,K	30	4.8	1.80	275
EC36T-121	120 @ 0.796 MHz	J,K	70	3.8	3.70	185
EC36T-151	150 @ 0.796 MHz	J,K	70	3.5	4.20	175
EC36T-181	180 @ 0.796 MHz	J,K	70	3.3	4.60	165
EC36T-221	220 @ 0.796 MHz	J,K	70	3.0	5.10	155
EC36T-271	270 @ 0.796 MHz	J,K	65	2.8	5.80	145
EC36T-331	330 @ 0.796 MHz	J,K	65	2.6	6.40	137
EC36T-391	390 @ 0.796 MHz	J,K	65	2.4	7.00	133
EC36T-471	470 @ 0.796 MHz	J,K	60	2.25	7.70	126
EC36T-561	560 @ 0.796 MHz	J,K	60	2.1	8.50	120
EC36T-681	680 @ 0.796 MHz	J,K	55	1.95	9.40	113
EC36T-821	820 @ 0.796 MHz	J,K	55	1.85	12.00	100
EC36T-102	1000 @ 0.796 MHz	J,K	50	1.4	17.40	100

EC46 Series

EC46T-102	1.0 @ 252 MHz	J,K	90	-	8	233
EC46T-122	1.2 @ 252 MHz	J,K	90	-	9	215
EC46T-152	1.5 @ 252 MHz	J,K	90	-	10	200
EC46T-182	1.8 @ 252 MHz	J,K	90	-	11	188
EC46T-222	2.2 @ 252 MHz	J,K	90	-	14	176
EC46T-272	2.7 @ 252 MHz	J,K	90	-	18	170
EC46T-332	3.3 @ 252 MHz	J,K	90	-	22	162
EC46T-392	3.9 @ 252 MHz	J,K	90	-	26	156
EC46T-472	4.7 @ 252 MHz	J,K	90	-	30	147
EC46T-562	5.6 @ 252 MHz	J,K	70	-	34	140
EC46T-682	6.8 @ 252 MHz	J,K	70	-	45	140
EC46T-822	8.2 @ 252 MHz	J,K	50	-	60	137
EC46T-103	10 @ 252 MHz	J,K	50	-	70	130
EC46T-123	12 @ 79.6 MHz	J,K	50	-	82	117
EC46T-153	15 @ 79.6 MHz	J,K	50	-	89	108
EC46T-183	18 @ 79.6 MHz	J,K	40	-	140	100
EC46T-223	22 @ 79.6 MHz	J,K	40	-	170	93
EC46T-253	25 @ 79.6 MHz	J,K	40	-	185	88
EC46T-273	27 @ 79.6 MHz	J,K	40	-	210	82

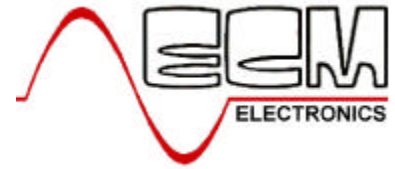
TOLERANCES J=5%; K= 10%; M=20%.

**** = Test Frequency as specified in 'L' column**

ECM Electronics Limited, Penmaen House, Ashington, West Sussex, RH20 3JR, UK
Tel: +44(0)1903 892810: Fax: +44(0)1903 892738. Email: ecm@ecmelectronics.co.uk

Although we have attempted to accurately reflect the products we market. ECM reserve the right without prior notice to discontinue any product or make design changes we believe necessary.

ECM Epoxy Coated Axial Chokes



ECM Part	L (μH)	Tol %	Q Min. (**MHz)	SRF Min. (MHz)	R_{DC} MAX (W)	I_{DC} I_N (mA)
-----------------	----------------------------------	------------------	---------------------------	-------------------------------	---------------------------------------	--

EC46 Series continued...

EC46T-333K	33 @ 79.6 MHz	J,K	30	-	240	75
EC46T-393K	39 @ 79.6 MHz	J,K	30	-	250	60
EC46T-473K	47 @ 79.6 MHz	J,K	30	-	340	60
EC46T-563K	56 @ 79.6 MHz	J,K	30	-	390	55
EC46T-683K	68 @ 79.6 MHz	J,K	30	-	440	40
EC46T-823K	82 @ 79.6 MHz	J,K	30	-	550	30
EC46T-104K	100 @ 79.6 MHz	J,K	30	-	640	18

TOLERANCES J=5%; K= 10%; M=20%.

** = Test Frequency as specified in 'L' column