

EC 24 TYPE

The EC24 type choke coil incorporates a high — performance ferrite core in a small special structure. It is resin coated and achieves inductance values up to 1,000 μ H.

FEATURES

- (1) Incorporation of a special lead wire structure entirely eliminates defects inherent in existing axial lead type products and prevents lead breakage.
- (2) The special magnetic core structure permits the product to have both reduced size and high—Q, self—resonant frequencies.
- (3) The products are epoxy—resin coated against humidity to ensure longer life.

ORDERING INFORMATION

EC
24
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330
K
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T5

(1) (2) (3) (4) (5) (6)

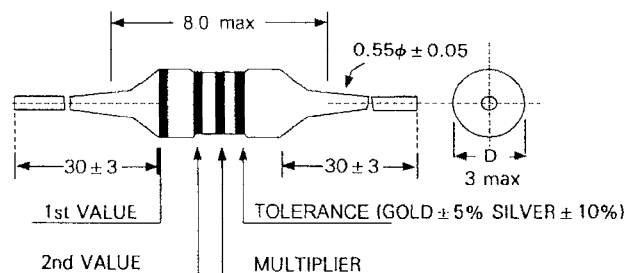
- (1) TYPE
- (2) STYLE
- (3) INDUCTANCE
- (4) TOLERANCE
- (5) TAPING OR FORMING
- (6) IF YOU NEED “AMMO PACK”, PLEASE ADD “A”

CHARACTERISTICS

Style Axial lead type
 Temperature rise 20°C
 Ambient temperature 80°C
 Rated temperature range -20°C to +100°C
 Dielectric withstanding voltage 250 Vr.m.s.
 Rated current Based on temperature rise
 Terminal tensile strength 1.0 kg min.
 Terminal bending strength 0.3 kg min.
 Moisture resistance characteristic.
 $\Delta L/L \leq \pm 5\%$, $\Delta Q/Q \leq \pm 20\%$

COLOR CODE

Inductance values are indicated with color code as shown below.



Color code	Significant figure	Multiplier	Inductance tolerance (%)
Black	0	1	—
Brown	1	10	—
Red	2	100	—
Orange	3	1000	—
Yellow	4	—	—
Green	5	—	—
Blue	6	—	—
Violet	7	—	—
Gray	8	—	—
White	9	—	—
Black	—	—	± 20
Silver	—	0.01	± 10
Gold	—	0.1	± 5

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PARTNO.	INDUCTANCE (uh)	INDUCTANCE TOLERANCE	QUALITY FACTOR (MIN).	TESTING FREQ (MHz)	S. R. F (MHz) MIN.	DC RESISTANCE (Ω) MAX.	RATED DC CURRENT (mA) MAX.
EC24-R0027M-CC	0.027	M(±20%) [K(±10%)]	40	50.0	500	0.02	520
EC24-R0033M-CC	0.033				490	0.02	500
EC24-R0039M-CC	0.039				480	0.02	500
EC24-R0047M-CC	0.047				480	0.03	500
EC24-R0056M-CC	0.056				470	0.045	460
EC24-R0068M-CC	0.068				470	0.05	460
EC24-R0082M-CC	0.082				470	0.05	460
EC24-R10K	0.10	M(±20%) [K(±10%)]	40	25.2	470	0.08	700
EC24-R12K	0.12				450	0.08	700
EC24-R15K	0.15				430	0.09	700
EC24-R18K	0.18				410	0.10	700
EC24-R22K	0.22				380	0.12	700
EC24-R27K	0.27				360	0.15	680
EC24-R33K	0.33				350	0.16	680
EC24-R39K	0.39				320	0.18	680
EC24-R47K	0.47				300	0.26	650
EC24-R56K	0.56				280	0.38	500
EC24-R68K	0.68				250	0.42	500
EC24-R82K	0.82				200	0.55	450
EC24-1R0K	1.0				65	180	0.12
EC24-1R2K	1.2		50	7.96	165	0.18	700
EC24-1R5K	1.5				150	0.20	700
EC24-1R8K	1.8				125	0.23	655
EC24-2R2K	2.2				85	0.25	630
EC24-2R7K	2.7				80	0.28	595
EC24-3R3K	3.3				75	0.30	575
EC24-3R9K	3.9				65	0.32	555
EC24-4R7K	4.7				45	0.35	530
EC24-5R6K	5.6				36	0.40	500
EC24-6R8K	6.8				30	0.45	470
EC24-8R2K	8.2				28	0.55	425
EC24-10K	10	50	2.52	22	0.72	370	
EC24-12K	12			20	0.80	350	
EC24-15K	15			16	0.88	335	
EC24-18K	18			15	1.00	315	
EC24-22K	22			13	1.20	285	
EC24-27K	27			11	1.35	270	
EC24-33K	33			10	1.50	255	
EC24-39K	39			9.5	1.70	240	
EC24-47K	47			8.5	2.30	205	
EC24-56K	56			7.5	2.60	195	
EC24-68K	68			6.5	3.20	185	
EC24-82K	82			6.0	3.50	175	
EC24-101K	100			5.5	3.80	165	
EC24-121K	120	75	0.796	5.4	3.80	160	
EC24-151K	150			4.75	4.40	150	
EC24-181K	180			4.35	5.0	140	
EC24-221K	220			4.0	5.7	130	
EC24-271K	270	70		3.7	6.5	120	
EC24-331K	330			3.4	9.5	100	
EC24-391K	390			2.8	10.5	95	
EC24-471K	470			2.4	12.5	90	
EC24-561K	560			2.2	14.5	85	
EC24-681K	680			2.0	18.0	75	
EC24-821K	820	60		1.6	23.7	65	
EC24-102K	1,000			1.15	30.0	60	