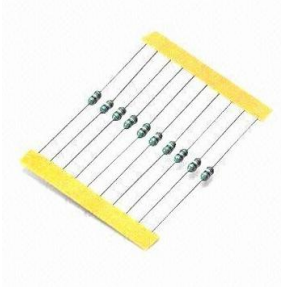
Product Specification

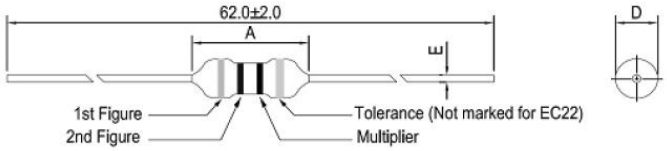
This product is certified to comply with the RoHS Directive 2002/95/EC.

MAGNA Frequency Components

EC22 Axial Leaded Coated Inductor



- High Q
- High SRF
- Epoxy resin coating



Specification	
Inductance range	0.1µH ~ 1.0mH
Temp. range	-20 to +80°C
Current	700mA ~ 20mA
Storage temp.	-40 to +80°C

'*' suffix denotes RoHS Compliant

Standard packing: 5k per 13" reel (T/R)

Size	A	D	E
EC22	4.0 max	2.8 max	0.50±0.05

Measurements in mm

Ordering Code Guide				
Series Code	**Packaging**	**Value**	**Tolerance**	**RoHS**
EC22	T = taped reel	R10 = 0.1µH	M = ±20%	*
		1R0 = 1.0µH	K = ±10%	
		100 = 10µH	J = ±5%	
		101 = 100µH		
		102 = 1000µH		

Magna Frequency Components, Magna House, Dales Manor Business Park, Sawston, Cambridge, CB22 3TJ
Tel: +44 1223 834800 Fax: +44 1223 834600 Email: sales@magnafrequency.com

Product Specification

RoHS

This product is certified to comply with the RoHS Directive 2002/95/EC.

MAGNA Frequency Components

EC22 Axial Leaded Coated Inductor

Value Code	Inductance µH	Q Min	LQ Test Freq. MHz	SRF Min. MHz	DCR Max. Ω	Rated DC Current Max. mA	Colour code 1st	2nd	3rd
R10	0.10	50	25.2	250	0.030	700	Bn	Bk	S
R12	0.12	55	25.2	230	0.035	660	Bn	R	S
R15	0.15	55	25.2	200	0.040	620	Bn	Gn	S
R18	0.18	55	25.2	180	0.045	600	Bn	Gy	S
R22	0.22	55	25.2	160	0.050	400	R	R	S
R27	0.27	50	25.2	150	0.065	380	R	V	S
R33	0.33	50	25.2	150	0.075	370	O	O	S
R39	0.39	50	25.2	150	0.080	350	O	W	S
R47	0.47	60	25.2	150	0.085	330	Y	V	S
R56	0.56	60	25.2	150	0.090	320	Gn	Be	S
R68	0.68	50	25.2	120	0.10	310	Be	Gy	S
R82	0.82	50	25.2	110	0.15	290	Gy	R	S
1R0	1.0	50	25.2	110	0.22	270	Bn	Bk	Gd
1R2	1.2	40	7.96	100	0.30	260	Bn	R	Gd
1R5	1.5	40	7.96	80	0.35	250	Bn	Gn	Gd
1R8	1.8	40	7.96	65	0.45	240	Bn	Gy	Gd
2R2	2.2	40	7.96	55	0.55	230	R	R	Gd
2R7	2.7	40	7.96	50	0.60	220	R	V	Gd
3R3	3.3	40	7.96	42	0.65	210	O	O	Gd
3R9	3.9	45	7.96	38	0.85	200	O	W	Gd
4R7	4.7	45	7.96	34	1.00	190	Y	V	Gd
5R6	5.6	45	7.96	32	1.15	180	Gn	Be	Gd
6R8	6.8	40	7.96	30	1.20	175	Be	Gy	Gd
8R2	8.2	40	7.96	26	1.25	165	Gy	R	Gd
100	10	40	7.96	24	1.5	160	Bn	Bk	Bk
120	12	50	2.52	22	2.2	150	Bn	R	Bk
150	15	50	2.52	20	2.5	145	Bn	Gn	Bk
180	18	50	2.52	18	2.8	140	Bn	Gy	Bk
220	22	50	2.52	17	3.0	130	R	R	Bk
270	27	55	2.52	14	3.5	80	R	V	Bk
330	33	55	2.52	14	3.8	76	O	O	Bk
390	39	50	2.52	13	4.2	74	O	W	Bk
470	47	50	2.52	12	5.8	70	Y	V	Bk
560	56	50	2.52	11	6.4	68	Gn	Be	Bk
680	68	50	2.52	10	7.2	64	Be	Gy	Bk
820	82	50	2.52	9.5	8.5	46	Gy	R	Bk
101	100	50	2.52	9.0	11	44	Bn	Bk	Bn
121	120	40	0.796	6.5	13	42	Bn	R	Bn
151	150	40	0.796	6.0	16	39	Bn	Gn	Bn
181	180	40	0.796	5.2	18	37	Bn	Gy	Bn
221	220	40	0.796	4.5	20	35	R	R	Bn
271	270	30	0.796	3.5	29	28	R	V	Bn
331	330	30	0.796	3.0	30	26	O	O	Bn
391	390	30	0.796	2.7	32	25	O	W	Bn
471	470	30	0.796	2.6	35	24	Y	V	Bn
561	560	30	0.796	2.5	40	23	Gn	Be	Bn
681	680	30	0.796	2.2	42	22	Be	Gy	Bn
821	820	30	0.796	2.1	46	21	Gy	R	Bn
102	1000	30	0.796	2.0	52	20	Bn	Bk	R

Magna Frequency Components, Magna House, Dales Manor Business Park, Sawston, Cambridge, CB22 3TJ
Tel: +44 1223 834800 Fax: +44 1223 834600 Email: sales@magnafrequency.com