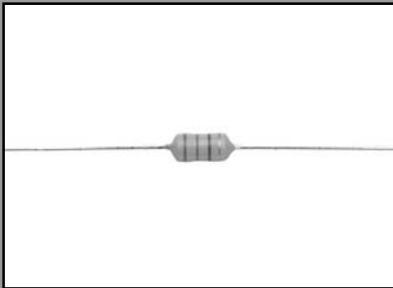


# INDUCTORS & CHOKES

## RADIAL LEAD INDUCTORS



## AXIAL LEAD INDUCTORS



## PCB SUPPRESSION CHOKES



## COMMON/DIFFERENTIAL CHOKES



## EMI FILTERING COILS



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# SQUIRES MODEL & CRAFT TOOLS

## INDUCTORS

**LOW CURRENT RADIAL LEAD INDUCTORS** the Newport 220OR series of miniature radial lead small outline inductors ideally suited to power decoupling, low power switching regulators, LF tuned circuits and general applications. Open wound ferrite bobbin insulated overall with flame retardant sleeving. Lead pitch 3.5mm, height 11mm, diameter 6.5mm and lead length 25mm.



### Technical Specification

L	Rdc	Imax
10µH	0.07 ohm	1.5A
22µH	0.11 ohm	1.0A
33µH	0.15 ohm	0.92A
47µH	0.28 ohm	0.78A
68µH	0.30 ohm	0.77A
100µH	0.50 ohm	0.66A
150µH	0.54 ohm	0.52A
220µH	1.05 ohm	0.44A
330µH	1.21 ohm	0.38A
470µH	1.87 ohm	0.31A
1.0mH	3.50 ohm	0.17A
1.5mH	5.40 ohm	0.13A
4.7mH	12.0 ohm	0.09A
10.0mH	30.0 ohm	0.07A
33.0mH	95.0 ohm	0.04A
47.0mH	115.0 ohm	0.03A
68.0mH	220.0 ohm	0.02A

CODE	TYPE	PRICE
15-0042	Low Current Radial Lead Inductor 10µH.....	£1.25
15-0044	Low Current Radial Lead Inductor 22µH.....	£1.25
15-0046	Low Current Radial Lead Inductor 33µH.....	£1.25
15-0048	Low Current Radial Lead Inductor 47µH.....	£1.25
15-0050	Low Current Radial Lead Inductor 68µH.....	£1.25
15-0052	Low Current Radial Lead Inductor 100µH.....	£1.25
15-0054	Low Current Radial Lead Inductor 150µH.....	£1.25
15-0056	Low Current Radial Lead Inductor 220µH.....	£1.25
15-0058	Low Current Radial Lead Inductor 330µH.....	£1.25
15-0060	Low Current Radial Lead Inductor 470µH.....	£1.25
15-0062	Low Current Radial Lead Inductor 1.0mH.....	£1.25
15-0064	Low Current Radial Lead Inductor 1.5mH.....	£1.25
15-0068	Low Current Radial Lead Inductor 4.7mH.....	£1.25
15-0070	Low Current Radial Lead Inductor 10mH.....	£1.99
15-0072	Low Current Radial Lead Inductor 33mH.....	£1.99
15-0074	Low Current Radial Lead Inductor 47mH.....	£1.99
15-0076	Low Current Radial Lead Inductor 68mH.....	£1.99

**MICC SERIES AXIAL LEADED INDUCTORS** a range of axially leaded inductors that are suitable for a wide range of applications including decoupling, interference suppression, RF blocking and filtering. They have high Q values and a 10% tolerance. Made of ferrite material with an operating temperature of -55°C to +125°C.

### Technical Specification

Inductance (µH)	Rated DC Current (mA)	DCR max. (Ω)	Q min.
1	630	0.25	35
1.5	570	0.3	40
3.3	420	0.5	40
4.7	380	0.65	40
6.8	250	1.45	45
10	230	1.7	50
15	185	2.7	50
18	350	0.81	60
22	335	0.9	60
39	285	1.21	60
47	230	2.4	60
68	185	2.9	60
100	170	3.5	60
220	130	5.8	60
1000	55	33	60

Length (with leads): 63mm  
 Body length: 6.5mm  
 Bodyø: 3.3mm max.  
 Leadø: 0.5mm

CODE	TYPE	PRICE
15-2800	MICC Series Axial Leaded Inductor 1µH.....	£0.25
15-2801	MICC Series Axial Leaded Inductor 1.5µH.....	£0.25
15-2802	MICC Series Axial Leaded Inductor 3.3µH.....	£0.25
15-2803	MICC Series Axial Leaded Inductor 4.7µH.....	£0.25
15-2804	MICC Series Axial Leaded Inductor 6.8µH.....	£0.25
15-2805	MICC Series Axial Leaded Inductor 10µH.....	£0.25
15-2806	MICC Series Axial Leaded Inductor 15µH.....	£0.25
15-2807	MICC Series Axial Leaded Inductor 18µH.....	£0.25
15-2808	MICC Series Axial Leaded Inductor 22µH.....	£0.25
15-2810	MICC Series Axial Leaded Inductor 39µH.....	£0.25
15-2811	MICC Series Axial Leaded Inductor 47µH.....	£0.25
15-2812	MICC Series Axial Leaded Inductor 68µH.....	£0.25
15-2813	MICC Series Axial Leaded Inductor 100µH.....	£0.25
15-2814	MICC Series Axial Leaded Inductor 220µH.....	£0.25
15-2815	MICC Series Axial Leaded Inductor 1000µH.....	£0.25

### PRODUCT CODES

**PLEASE NOTE  
 IT IS VERY IMPORTANT  
 TO USE THE CORRECT  
 PRODUCT CODE  
 FOR THE ITEMS YOU  
 WISH TO ORDER**

**IT IS VITAL TO INCLUDE  
 THE PUNCTUATION IN THE CODE  
 AND TO FORMAT THE CODE  
 AS SHOWN IN THE CATALOGUE**

### EXHIBITION SALES STAND

**WE AIM TO EXHIBIT AS WIDE A  
 RANGE AS POSSIBLE AT SHOWS, BUT  
 DUE TO SPACE RESTRICTIONS WE  
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 PRODUCT. IF YOU CONTACT US A  
 FEW DAYS PRIOR TO AN EVENT WE  
 WILL TRY TO ENSURE A PRODUCTS  
 AVAILABILITY AT THAT SHOW.  
 IF THERE ARE OTHER PRODUCTS  
 THAT YOU WOULD LIKE US  
 TO STOCK, PLEASE FEEL  
 FREE TO LET US KNOW.**

# SQUIRES MODEL & CRAFT TOOLS

**SMCC SERIES AXIAL LEADED INDUCTORS** a range of axially leaded inductors that are suitable for a wide range of applications including decoupling, interference suppression, RF blocking and filtering. They have high Q values and a 10% tolerance. Made of ferrite material with an operating temperature of  $-55^{\circ}\text{C}$  to  $+125^{\circ}\text{C}$ .

## Technical Specification

Inductance ( $\mu\text{H}$ )	Rated DC Current (mA)	DCR max. ( $\Omega$ )	Q min.
1.5	1100	0.2	50
2.2	1000	0.25	55
3.3	900	0.29	60
4.7	820	0.34	60
6.8	670	0.51	65
10	680	0.49	65
15	610	0.6	50
18	580	0.67	50
22	560	0.74	50
39	470	1.02	55
56	430	1.23	40
68	410	1.35	40
100	370	1.7	30
150	280	2.8	70
180	270	3	70
220	250	3.3	70
390	180	7	70
470	170	7.9	70
680	150	10	55
1000	130	14	50
1500	100	21.6	40
1800	95	24	40
2200	80	34.7	40
3300	62	59.5	40
4700	55	74	40
10000	25	115	20

Length (with leads): 64mm  
 Body length: 9.5mm  
 Body $\varnothing$ : 4mm max.  
 Lead $\varnothing$ : 0.6mm

CODE	TYPE	PRICE
15-2817	SMCC Series Axial Leaded Inductor 1.5 $\mu\text{H}$ .....	£0.34
15-2818	SMCC Series Axial Leaded Inductor 2.2 $\mu\text{H}$ .....	£0.34
15-2819	SMCC Series Axial Leaded Inductor 3.3 $\mu\text{H}$ .....	£0.34
15-2820	SMCC Series Axial Leaded Inductor 4.7 $\mu\text{H}$ .....	£0.34
15-2821	SMCC Series Axial Leaded Inductor 6.8 $\mu\text{H}$ .....	£0.34
15-2822	SMCC Series Axial Leaded Inductor 10 $\mu\text{H}$ .....	£0.34
15-2823	SMCC Series Axial Leaded Inductor 15 $\mu\text{H}$ .....	£0.34
15-2824	SMCC Series Axial Leaded Inductor 18 $\mu\text{H}$ .....	£0.34
15-2825	SMCC Series Axial Leaded Inductor 22 $\mu\text{H}$ .....	£0.34
15-2827	SMCC Series Axial Leaded Inductor 39 $\mu\text{H}$ .....	£0.34
15-2829	SMCC Series Axial Leaded Inductor 56 $\mu\text{H}$ .....	£0.34
15-2830	SMCC Series Axial Leaded Inductor 68 $\mu\text{H}$ .....	£0.34
15-2831	SMCC Series Axial Leaded Inductor 100 $\mu\text{H}$ .....	£0.34
15-2832	SMCC Series Axial Leaded Inductor 150 $\mu\text{H}$ .....	£0.34
15-2833	SMCC Series Axial Leaded Inductor 180 $\mu\text{H}$ .....	£0.34
15-2834	SMCC Series Axial Leaded Inductor 220 $\mu\text{H}$ .....	£0.34
15-2836	SMCC Series Axial Leaded Inductor 390 $\mu\text{H}$ .....	£0.34
15-2837	SMCC Series Axial Leaded Inductor 470 $\mu\text{H}$ .....	£0.34
15-2838	SMCC Series Axial Leaded Inductor 680 $\mu\text{H}$ .....	£0.34
15-2839	SMCC Series Axial Leaded Inductor 1000 $\mu\text{H}$ .....	£0.34
15-2840	SMCC Series Axial Leaded Inductor 1500 $\mu\text{H}$ .....	£0.34
15-2841	SMCC Series Axial Leaded Inductor 1800 $\mu\text{H}$ .....	£0.34
15-2842	SMCC Series Axial Leaded Inductor 2200 $\mu\text{H}$ .....	£0.34
15-2843	SMCC Series Axial Leaded Inductor 3300 $\mu\text{H}$ .....	£0.34
15-2844	SMCC Series Axial Leaded Inductor 4700 $\mu\text{H}$ .....	£0.34
15-2845	SMCC Series Axial Leaded Inductor 10000 $\mu\text{H}$ .....	£0.34

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## HIGH CURRENT INDUCTORS

**HIGH CURRENT 1400 SERIES INDUCTORS** a range of high current bobbin core inductors. The cores are manufactured in high saturation flux density material and insulated by a heatshrink sleeve. The inductors are suited to direct mounting on printed circuit boards or chassis mounted via the central fixing hole (using a non-magnetic screw will ensure mechanical stability). Suitable for a wide range of applications including: switching regulators, power line filters, audio filters and noise suppression.



## Technical Specification

Inductance	Current	Resistance $\Omega$	Height	Diameter	Lead dia
					mm
22 $\mu\text{H}$	11.0A	0.011	14	24.4	1.3
47 $\mu\text{H}$	8.5A	0.021	14	24.4	1.3
68 $\mu\text{H}$	6.2A	0.032	14	24.4	1.08
100 $\mu\text{H}$	5.4A	0.042	14	24.4	1.1
100 $\mu\text{H}$	7.8A	0.04	21	8 30	1.3
150 $\mu\text{H}$	4.0A	0.069	14	24.4	0.90
150 $\mu\text{H}$	6.5A	0.042	21.8	29.8	1.20
220 $\mu\text{H}$	3.5A	0.096	14	24.4	1.1
220 $\mu\text{H}$	5.5A	0.062	21.8	30	1.3
300 $\mu\text{H}$	3.0A	0.140	14	24.4	0.75
300 $\mu\text{H}$	3.3A	0.100	18.5	24.4	0.90
330 $\mu\text{H}$	2.8A	0.15	14	24.4	0.8
330 $\mu\text{H}$	4.5A	0.091	21.8	30	1.1
470 $\mu\text{H}$	2.3A	0.222	14	24.4	0.8
470 $\mu\text{H}$	4.0A	0.125	21.8	30	1.1
680 $\mu\text{H}$	2.0A	0.304	14	24.4	0.8
1000 $\mu\text{H}$	1.6A	0.419	14	24.4	0.8
2200 $\mu\text{H}$	1.4A	0.622	21.8	29.8	0.67
4700 $\mu\text{H}$	0.6A	2.200	14	24.4	0.39

Radial construction  
 Low DC resistance  
 PCB or chassis mounting  
 Low temperature dependence  
 Tolerance  $\pm 10\%$   
 Backward compatible with Sn/Pb soldering systems  
 $-40^{\circ}\text{C}$  to  $+85^{\circ}\text{C}$  operating temperature

CODE	TYPE	PRICE
15-1760	High Current Inductor 22 $\mu\text{H}$ ..11.0A.....	£4.99
15-1765	High Current Inductor 47 $\mu\text{H}$ ..8.5A.....	£4.99
15-1720	High Current Inductor 100 $\mu\text{H}$ ..6.0A.....	£4.99
15-1725	High Current Inductor 22 $\mu\text{H}$ ..7.8A.....	£7.99
15-1730	High Current Inductor 220 $\mu\text{H}$ ..3.5A.....	£4.99
15-1735	High Current Inductor 220 $\mu\text{H}$ ..5.5A.....	£7.99
15-1740	High Current Inductor 330 $\mu\text{H}$ ..2.8A.....	£4.99
15-1745	High Current Inductor 330 $\mu\text{H}$ ..4.5A.....	£6.99
15-1750	High Current Inductor 470 $\mu\text{H}$ ..2.3A.....	£4.99
15-1755	High Current Inductor 470 $\mu\text{H}$ ..4A.....	£7.99
15-1782	High Current Inductor 680 $\mu\text{H}$ ..2.0A.....	£4.99
15-1787	High Current Inductor 1000 $\mu\text{H}$ ..1.6A.....	£4.99

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# SQUIRES MODEL & CRAFT TOOLS

**MISC SERIES AXIAL LEADED SUPPRESSION COIL** a range of axially leaded suppression coils that are suitable for a wide range of applications including RF blocking, filtering, decoupling and interference suppression. They have a high rated current and low DC resistance. Their tolerance is 20% and the operating temperature is -55°C to +125°C. Made of Iron dust material.

## Technical Specification

Inductance (µH)	Rated DC Current (mA)	DCR max. (Ω)	Q min.
6	1000	1500	228
14	100	700	912
40	100	300	4290
100	100	1500	22800

Length (with leads): 87mm  
 Body length: 12mm  
 Bodyø: 5mm max.  
 Leadø: 0.8mm

CODE	TYPE	PRICE
15-2855	MISC Series Axial Lead Suppression Coil 6µH....	£0.50
15-2856	MISC Series Axial Lead Suppression Coil 14µH..	£0.50
15-2857	MISC Series Axial Lead Suppression Coil 40µH..	£0.50
15-2858	MISC Series Axial Lead Suppression Coil 100µH	£0.50

**MESC SERIES AXIAL LEADED SUPPRESSION COIL** a range of axially leaded suppression coils that are suitable for a wide range of applications including RF blocking, filtering, decoupling and interference suppression. They have a high rated current and low DC resistance. Their tolerance is 20% and the operating temperature is -55°C to +125°C.

## Technical Specification

Inductance (µH)	Rated DC Current (mA)	DCR max. (Ω)	Q min.
<b>Iron dust core</b>			
10	1000	3	105
15	100	2	198
25	100	1.5	408

Inductance (µH)	Rated DC Current (mA)	DCR max. (Ω)	Q min.
<b>Ferrite core</b>			
12	100	4	48
22	100	3	84
40	100	2	216
56	100	1.5	360
100	100	1	780
220	100	0.5	3120
470	100	0.3	7800
680	100	0.2	16800
1200	100	0.1	40800
1500	100	0.08	64800

Length (with leads): 87mm  
 Body length: 24mm  
 Bodyø: 7.5mm max.  
 Leadø: 0.8mm

CODE	TYPE	PRICE
<b>Iron Dust Core</b>		
15-2859	MESC Axial Lead Suppression Coil 10µH.....	£0.72
15-2860	MESC Axial Lead Suppression Coil 15µH.....	£0.72
15-2861	MESC Axial Lead Suppression Coil 25µH.....	£0.72
<b>Ferrite Core</b>		
15-2862	MESC Axial Lead Suppression Coil 12µH.....	£0.72
15-2864	MESC Axial Lead Suppression Coil 40µH.....	£0.72
15-2865	MESC Axial Lead Suppression Coil 56µH.....	£0.72
15-2866	MESC Axial Lead Suppression Coil 100µH.....	£0.72
15-2867	MESC Axial Lead Suppression Coil 220µH.....	£0.72
15-2868	MESC Axial Lead Suppression Coil 470µH.....	£0.72
15-2869	MESC Axial Lead Suppression Coil 680µH.....	£0.72
15-2870	MESC Axial Lead Suppression Coil 1200µH.....	£0.72
15-2871	MESC Axial Lead Suppression Coil 1500µH.....	£0.72

**MSSC SERIES AXIAL LEADED SUPPRESSION COIL** a range of axially leaded suppression coils that are suitable for a wide range of applications including RF blocking, filtering, decoupling and interference suppression. They have a high rated current and low DC resistance. Their tolerance is 20% and the operating temperature is -55°C to +125°C. They are made of a ferrite material.

## Technical Specification

Inductance (µH)	Rated DC Current (mA)	DCR max. (Ω)	Q min.
3	1	9	6
6	1	6	10
13	0.1	3	24
20	0.1	3	54

Length (with leads): 99.5mm  
 Body length: 29mm  
 Bodyø: 7.5mm max.  
 Leadø: 3µH 1.18mm  
 6µH 0.95mm  
 13µH 0.7mm  
 20µH 0.5mm

CODE	TYPE	PRICE
15-2872	MSSC Series Axial Lead Suppression Coil 3µH..	£0.77
15-2873	MSSC Series Axial Lead Suppression Coil 6µH..	£0.77
15-2874	MSSC Series Axial Lead Suppression Coil 13µH	£0.77
15-2875	MSSC Series Axial Lead Suppression Coil 20µH	£0.77

**LSSC SERIES AXIAL LEADED SUPPRESSION COIL** a range of axially leaded suppression coils that are suitable for a wide range of applications including RF blocking, filtering, decoupling and interference suppression. They have a high rated current and low DC resistance. Their tolerance is 20% and the operating temperature is -55°C to +125°C. They are made of a ferrite material.

## Technical Specification

Inductance (µH)	Rated DC Current (mA)	DCR max. (Ω)	Q min.
5	1	10	5
15	0.1	4	24

Length (with leads): 99.5mm  
 Body length: 34mm  
 Body ø: 9.5mm max.  
 Lead ø: 5µH 1.3mm  
 15µH 0.75mm

CODE	TYPE	PRICE
15-2876	LSSC Series Axial Lead Suppression Coil 5µH...	£0.83
15-2877	LSSC Series Axial Lead Suppression Coil 15µH.	£0.83

### EXHIBITION SALES STAND

**WE AIM TO EXHIBIT AS WIDE A RANGE AS POSSIBLE AT SHOWS, BUT DUE TO SPACE RESTRICTIONS WE ARE NOT ABLE TO FEATURE EVERY PRODUCT. IF YOU CONTACT US A FEW DAYS PRIOR TO AN EVENT WE WILL TRY TO ENSURE A PRODUCTS AVAILABILITY AT THAT SHOW.**

**IF THERE ARE OTHER PRODUCTS THAT YOU WOULD LIKE US TO STOCK, PLEASE FEEL FREE TO LET US KNOW.**

# SQUIRES MODEL & CRAFT TOOLS

**77A SERIES AXIAL LEADED SUPPRESSION COIL** a range of axially leaded suppression coils that are suitable for a wide range of applications including RF blocking, filtering, decoupling and interference suppression. They have a high rated current and low DC resistance. Their tolerance is 20% and the operating temperature is -55°C to +125°C. They are made of a ferrite material.



### Technical Specification

Inductance (µH)	Rated DC Current (mA)	DCR max. (Ω)	Q min.
5.6	1000	8	0.021
15	100	4	0.06
33	100	3.5	0.084
68	1000	3	0.12
100	1000	2.5	0.18
150	1000	1.8	0.36
680	1000	1	1.2
1000	1000	0.8	1.8
1500	10	0.7	2.4
3300	10	0.5	4.8
6800	10	0.35	9.6
Length (with leads):		92mm	
Body length:		26mm	
Bodyø:		8mm	
		15µH	9mm
		33µH	10mm
		68 to 10,000µH	11mm
Leadø:		0.8mm	

CODE	TYPE	PRICE
15-2878	77A Series Axial Lead Suppression Coil 5.6µH...	£1.25
15-2880	77A Series Axial Lead Suppression Coil 15µH....	£1.25
15-2881	77A Series Axial Lead Suppression Coil 33µH....	£1.25
15-2882	77A Series Axial Lead Suppression Coil 68µH....	£1.25
15-2883	77A Series Axial Lead Suppression Coil 100µH..	£1.25
15-2884	77A Series Axial Lead Suppression Coil 150µH..	£1.25
15-2886	77A Series Axial Lead Suppression Coil 680µH..	£1.25
15-2887	77A Series Axial Lead Suppression Coil 1000µH	£1.25
15-2888	77A Series Axial Lead Suppression Coil 1500µH	£1.25
15-2889	77A Series Axial Lead Suppression Coil 3300µH	£1.25
15-2890	77A Series Axial Lead Suppression Coil 6800µH	£1.25

## SUPPRESSION CHOKES

**MINIATURE SUPPRESSION CHOKES** a range of miniature axial lead RF inductors employing a ferrite core encapsulated in a moulded polypropylene coating suitable for use in applications where RF suppression is required. Tinned copper leads. Sold individually.



### Technical Specification

Inductance µH	Resistance DC_	Max DC Current A	Q Factor nom.@ MHz	Self Res Frequency MHz
1	0.04	2.2	45 15	190
2.2	0.06	1.8	60 8	130
4.7	0.12	1.3	50 8	95
10	0.35	0.75	50 8	65
100	4.0	0.22	65 1.5	14
220	7.2	0.2	80 0.8	8
470	20	0.12	80 0.8	6.5
1000	30	0.1	85 0.8	3

CODE	TYPE	PRICE
590-180	Mini Suppression Choke 1µH.....	£2.00
590-185	Mini Suppression Choke 2.2µH.....	£2.00
590-190	Mini Suppression Choke 4.7µH.....	£2.25
590-195	Mini Suppression Choke 10µH.....	£2.25
590-210	Mini Suppression Choke 100µH.....	£2.50
590-215	Mini Suppression Choke 220µH.....	£4.25
590-225	Mini Suppression Choke 1000µH.....	£4.25

**SUPPRESSION CHOKES** a range of inductors employing ferrite cores insulated overall in PVC suitable for use in a wide range of circuits where noise suppression is required. Tinned copper leads. Sold individually.



### Technical Specification

Inductance µH	Resistance DC_Ω	Max DC current A	Self Res. Frequency MHZ	Dimensions Length Dia
10	0.025	3	70	25 7.5
50	0.06	3	3	27 11.5
100	0.09	3	2.5	27 11.5
500	0.2	3	1	45 15

CODE	TYPE	PRICE
590-235	Suppression Choke 10µH.....	£2.50
590-245	Suppression Choke 50µH.....	£3.75
590-250	Suppression Choke 100µH.....	£4.25
590-255	Suppression Choke 500µH.....	£4.25

**RADIAL PCB SUPPRESSION CHOKES** a range of fixed inductors suitable for power decoupling in logic circuits and LF tuned circuit applications. Leads are on a standard 5mm pitch.



### Technical Specification

Inductance	Qmin at MHz	dc res.(max)	I max
<b>10RB series 10.5mm diameter, 14mm height</b>			
47mH	100 0.05	52Ω	13mA
100mH	100 0.05	82Ω	5mA
<b>8RBS series, 8mm diameter, 6.2mm height</b>			
0.1mH	60 0.796	2Ω	200mA
0.47mH	60 0.796	5Ω	100mA
4.7mH	80 0.252	32Ω	40mA
10mH	100 0.0796	40Ω	40mA
<b>8RB series, 8.3mm diameter, 11.2mm height</b>			
3.3mH	100 0.252	13Ω	100mA
4.7mH	100 0.0252	18Ω	50mA
10mH	100 0.0796	40Ω	40mA
22mH	100 0.0796	80Ω	30mA
<b>8RHB series, 8.5mm diameter, 11mm height</b>			
47µH	30 2.52	0.13Ω	1.2A
100µH	20 0.796	0.29Ω	0.79A
220µH	20 0.796	0.68Ω	0.43A
470µH	20 0.796	1.12Ω	0.36A
1000µH	50 0.796	2.9Ω	0.29A

CODE	TYPE	PRICE
590-440	Radial PCB Supp Choke 47mH.....	£1.65
590-442	Radial PCB Supp Choke 100mH.....	£1.65
590-444	Radial PCB Supp Choke 0.1mH.....	£1.65
590-448	Radial PCB Supp Choke 0.47mH.....	£1.65
590-452	Radial PCB Supp Choke 2.2mH.....	£1.65
590-454	Radial PCB Supp Choke 4.7mH.....	£1.65
590-456	Radial PCB Supp Choke 10mH.....	£1.65
15-0045	Radial PCB Supp Choke 3.3mH.....	£1.65
15-0146	Radial PCB Supp Choke 4.7mH.....	£1.65
15-0047	Radial PCB Supp Choke 10mH.....	£1.65
590-460	Radial PCB Supp Choke 22mH.....	£1.65
590-466	Radial PCB Supp Choke 100µH.....	£1.65
590-470	Radial PCB Supp Choke 330µH.....	£1.65
590-472	Radial PCB Supp Choke 470µH.....	£1.65
590-474	Radial PCB Supp Choke 1000µH.....	£1.65

**FREE PARKING FOR 2 HOURS  
OUTSIDE OF OUR SHOP**

# SQUIRES MODEL & CRAFT TOOLS

## COMMON/ASYMMETRICAL MODE SUPPRESSION CHOKES

Compact Schaffner RN series PCB mounting current compensating suppression chokes in a flame retardant housing for general purpose common/asymmetrical mode applications. Fully approved to UL and VDE

Voltage rating 250V AC.  
Operating temperature -25° to +125°C.  
Sold individually.



### Technical Specification

Package	A	B	C	D	E	F	G(dia)
RN112	17.1	17.7	12.5	10.0	15.0	4	0.8
RN114	21.5	22.5	13.2	12.5	20.1	4	0.8
RN122	27.0	28.0	16.5	15.0	25.0	4	0.8

Current rating(A) @40°C	Inductance µH	Resistance per winding( )	Resonance frequency (kHz)
0.6	15.0	0.47	400
1.5	3.3	1.14	1075
2.0	4.2	0.10	950
4.0	3.3	0.045	1000

CODE	TYPE	PRICE
590-265	Choke RN112 0.6A.....	£3.99
590-270	Choke RN112 1.5A.....	£4.99
590-275	Choke RN112 4A.....	£4.99
590-280	Choke RN114 2A.....	£4.99
590-290	Choke RN122 4A.....	£4.99

**OPEN TORODIAL SUPPRESSION CHOKES** Open toroidal dimmer suppression chokes used in triac control circuits. For light dimmers, speed control and similar applications. Ensure circuits meet BS 800 interference limits at the ratings shown below.



### Technical Specification

Power handling @240V(W)	Inductance (mH±20%)	DCR Nominal (ohms)	Dimensions Diameter	Internal Diameter	Height
100	4	1.8	20	7.5	8

CODE	TYPE	PRICE
15-0124	Open Toroidal Suppression Choke 100W.....	£3.99

**COMMON/DIFFERENTIAL MODE SUPPRESSION CHOKES** a range of vertically mounted, toroidal suppression chokes available in both common mode and differential mode types, with current ratings from 0.5A to 8A. The chokes are designed for use in AC and DC circuits up to 250V rms and 440Hz.

Dimensions 32 x 32 x 17mm.  
Sold individually.



### Technical Specification

Rated voltage	250VAC	
Test voltage	2500V AC	
Line frequency	DC to 440Hz	
Temperature range	-25 to 100°C	
Temperature rise	30°C @ rated current	
Current (A)	InductancemH*	Resistance m *
Differential Mode		
1.0	1.17	1200.0
2.0	0.50	370.0
4.0	0.21	105.0
6.0	0.12	45.0
8.0	0.085	29.0

CODE	TYPE	PRICE
<b>Differential Mode</b>		
590-370	1.0A.....	£3.99
590-375	2.0A.....	£3.99
590-385	4.0A.....	£3.99
590-390	6.0A.....	£3.99
590-395	8.0A.....	£3.99

**COMMON MODE SUPPRESSION CHOKES** a range of UK manufactured open former common mode suppression chokes specifically designed to attenuate mains borne RF interference. Constructed using double wound ferrite ring mounted vertically onto a flame retardant plastic carrier. High attenuation to unwanted RFI can be achieved by the addition of X2 and Y capacitors.



### Technical Specification

Rated voltage	250V AC
Test voltage	2500V AC
Line frequency	50/60Hz
Temperature rise at rated current	30°C
Temperature range	-25° to +85°C

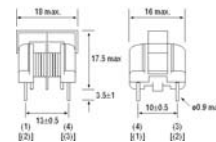
Current (A)	Inductance mH*	Resistance mW*
2	7.5	160
3	3.2	71
4	2.4	40
6	1.4	19
8	0.9	9.6

\*per winding

CODE	TYPE	PRICE
580-321	Common Mode Suppression Choke 2.0A.....	£3.99
580-323	Common Mode Suppression Choke 3.0A.....	£3.99
580-325	Common Mode Suppression Choke 4.0A.....	£3.99
580-327	Common Mode Suppression Choke 6.0A.....	£3.99
580-329	Common Mode Suppression Choke 8.0A.....	£4.25

## NOISE SUPPRESSION COILS

**NOISE SUPPRESSION/EMI FILTERING COILS** The MuRata PLA10 range of compact AC common mode coils is designed for EMI noise filtering applications. The low profile vertical core results in a high inductance in a compact shape.



Technical specification	Rated Current
Inductance	2A
1.5mH	1.2A
3.5mH	0.3A
43mH	
General specification	
Rated voltage	300V
Insulation resistance	100M ohm min
Withstand voltage	2kV / 1min or 2.4kV / 1sec
Operating temperature	-25°C to +120°C

CODE	TYPE	PRICE
15-0132	Noise Suppression/EMI Filtering Coil 1.5mH.....	£1.79
15-0134	Noise Suppression/EMI Filtering Coil 3.5mH.....	£1.79
15-0138	Noise Suppression/EMI Filtering Coil 43mH.....	£1.79

## PRODUCT CODES

**PLEASE NOTE - IT IS VERY IMPORTANT TO USE THE CORRECT PRODUCT CODE FOR THE ITEMS YOU WISH TO ORDER**

**IT IS VITAL TO INCLUDE THE PUNCTUATION IN THE CODE AND TO FORMAT THE CODE AS SHOWN IN THE CATALOGUE**