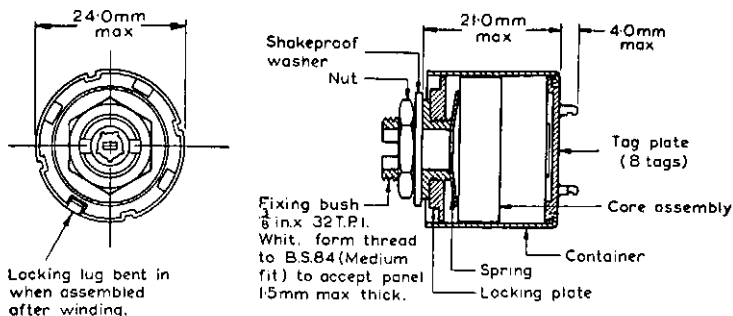


VINKOR ADJUSTABLE POT CORE

LA2403

21mm adjustable pot core specially designed for high quality inductors operating at frequencies up to approximately 70kc/s.

6898



Dimensions of hexagonal nut are 0.5in. max. across the flats by 0.1in. max. thickness.

ELECTRICAL AND MAGNETIC PROPERTIES OF CORE ASSEMBLY with adjuster at nominal mid-range position.

Effective permeability	μ_e	*160
Turns for 1mH	α	46.1
Initial permeability of material	μ_i	
Minimum		1000
Typical		1375
Residual plus eddy current dissipation factor measured at:	$\tan \delta_{r+c}$	
B max. < 0.5 gauss, $f = 30\text{kc/s}$		
Typical		0.6×10^{-3}
Maximum		0.8×10^{-3}
B max. < 0.5 gauss, $f = 100\text{kc/s}$		
Typical		1.1×10^{-3}
Maximum		1.6×10^{-3}
Hysteresis factor measured at 4kc/s $F_{th} = \frac{R}{L} \cdot \frac{1}{I \cdot f \sqrt{L}}$		
Typical		19
Maximum		25.1
Temperature coefficient over the range 20 to 50°C	$\frac{\Delta L}{L \cdot \Delta T}$	0 to +320 p.p.m./°C

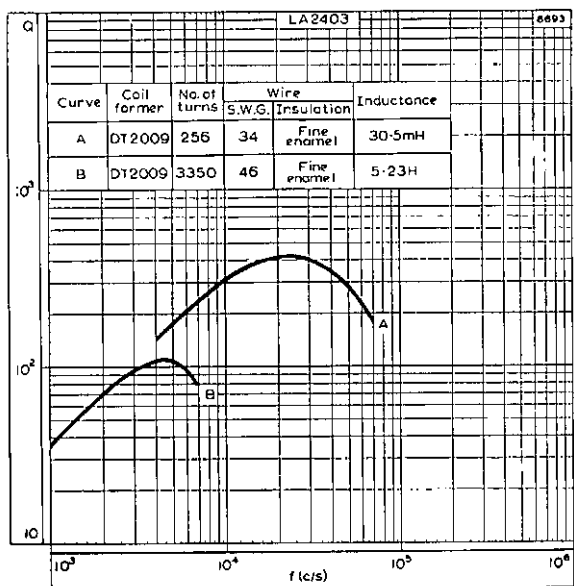
*Without the adjuster, the effective permeability of the core is $149.5 \pm 3\%$.

GENERAL NOTES

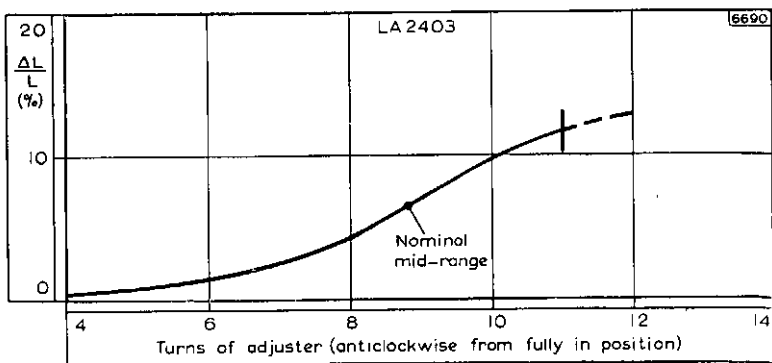
Coil formers are not supplied with the Vinkor but should be ordered separately. For details see page 3.

For correct assembly and adjustment of piece parts use aligning plug type DT2033. See separate data sheet.

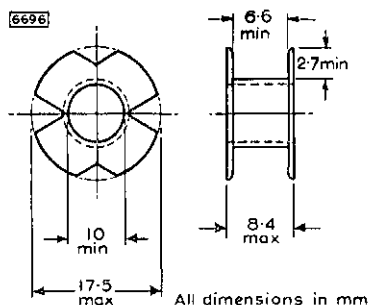
Non-magnetic screwdriver type DT2047 should be used for precise adjustment of inductance.



TYPICAL Q CURVES



ADJUSTMENT CURVE



Single section coil former

DT2009 - nylon, maximum working temperature = 130°C.

DT2082 - polystyrene, maximum working temperature = 80°C.

The nylon is of a low water absorbent grade. Nominal winding area = 20.2mm².

WINDING DATA FOR FULLY WOUND FORMER
ENAMELLED COPPER WIRE TO B.S.1844 (FINE COVERING)

S.W.G.	Cu. dia. (in.)	Turns	Resistance (Ω)
20	0.036	13	0.013
21	0.032	22	0.032
22	0.028	25	0.050
23	0.024	40	0.105
24	0.022	44	0.135
25	0.020	60	0.22
26	0.018	65	0.29
27	0.0164	72	0.39
28	0.0148	96	0.64
29	0.0136	122	0.98
30	0.0124	142	1.4
31	0.0116	163	1.8
32	0.0108	186	2.4
33	0.0100	216	3.2
34	0.0092	256	4.5
35	0.0084	300	6.4
36	0.0076	365	9.5
37	0.0068	445	14.5
38	0.0060	585	25
39	0.0052	755	42
40	0.0048	885	58
41	0.0044	1030	80
42	0.0040	1250	115
43	0.0036	1580	185
44	0.0032	1940	280
45	0.0028	2500	490
46	0.0024	3350	870
47	0.0020	4850	1850

WINDING DATA FOR FULLY WOUND FORMER

SILK COVERED BUNCHED ENAMELLED COPPER CONDUCTORS
TO B.S.1258

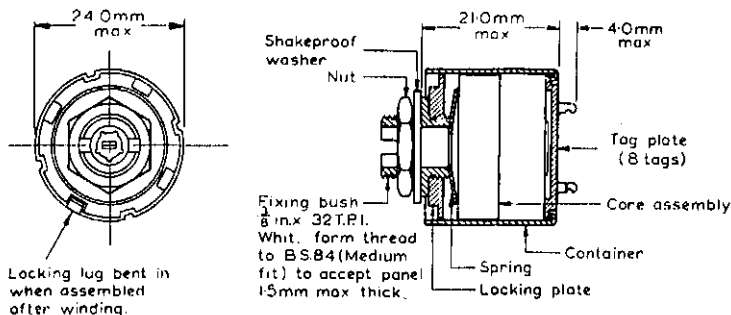
Strands	S.W.G.	Strand dia. (in.)	Insulation	Turns	Resistance (Ω)
81	43	0.0036	D.S.C.	10	0.014
350	48	0.0016	D.S.C.	10	0.017
315	48	0.0016	D.S.C.	11	0.020
81	44	0.0032	D.S.C.	11	0.020
280	48	0.0016	D.S.C.	11	0.023
252	48	0.0016	D.S.C.	12	0.028
81	45	0.0028	D.S.C.	12	0.028
224	48	0.0016	D.S.C.	12	0.031
200	48	0.0016	D.S.C.	19	0.055
180	48	0.0016	D.S.C.	21	0.068
48	44	0.0032	D.S.C.	21	0.064
160	48	0.0016	D.S.C.	22	0.080
140	48	0.0016	D.S.C.	24	0.100
30	43	0.0036	S.S.C.	25	0.096
81	47	0.0020	D.S.C.	36	0.165
30	44	0.0032	S.S.C.	38	0.185
100	48	0.0016	D.S.C.	40	0.23
30	45	0.0028	S.S.C.	55	0.35
81	48	0.0016	D.S.C.	55	0.40
30	46	0.0024	S.S.C.	62	0.54
19	45	0.0028	S.S.C.	81	0.81
30	47	0.0020	S.S.C.	90	1.10
7	42	0.0040	S.S.C.	115	1.55
10	45	0.0028	S.S.C.	140	2.6
9	45	0.0028	S.S.C.	152	3.2
7	45	0.0028	S.S.C.	225	6.1
3	44	0.0032	S.S.C.	291	14
3	46	0.0024	S.S.C.	420	36

VINKOR ADJUSTABLE POT CORE

LA2404

21mm adjustable pot core specially designed for high quality inductors operating at frequencies up to approximately 70kc/s.

6698



Dimensions of hexagonal nut are 0.5in. max. across the flats by 0.1in. max. thickness.

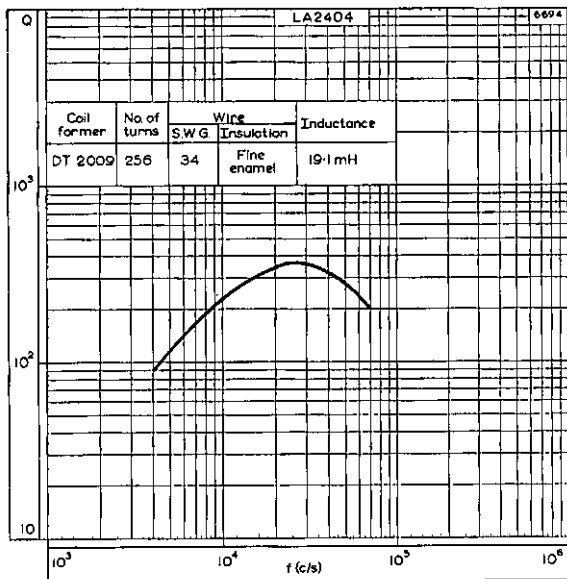
ELECTRICAL AND MAGNETIC PROPERTIES OF CORE ASSEMBLY with adjuster at nominal mid-range position.

Effective permeability	μ_c	*100
Turns for 1mH	α	58.3
Initial permeability of material	μ_i	
Minimum		1000
Typical		1375
Residual plus eddy current dissipation factor measured at:	$\tan \delta_{r+e}$	
B max. < 0.5 gauss, f = 30kc/s		
Typical		0.37×10^{-3}
Maximum		0.50×10^{-3}
B max. < 0.5 gauss, f = 100kc/s		
Typical		0.70×10^{-3}
Maximum		1.00×10^{-3}
Hysteresis factor measured at 4kc/s	$F_h = \frac{R}{L} \cdot \frac{1}{1.1\sqrt{L}}$	
Typical		9.5
Maximum		12.4
Temperature coefficient over the range 20 to 50°C	$\frac{\Delta L}{L \cdot \Delta T}$	0 to +200 p.p.m./°C

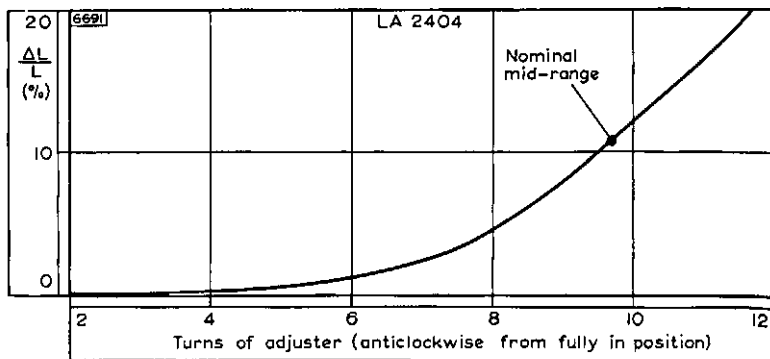
*Without the adjuster, the effective permeability of the core is $89.4 \pm 3\%$.

GENERAL NOTES

Coil formers are not supplied with the Vinkor but should be ordered separately. For details see page 3.
For correct assembly and adjustment of piece parts use aligning plug type DT2033. See separate data sheet.
Non-magnetic screwdriver type DT2047 should be used for precise adjustment of inductance.

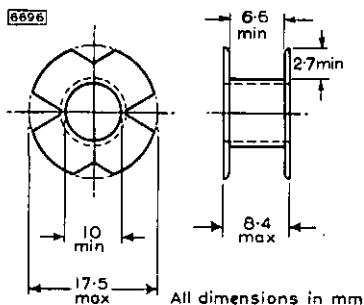


TYPICAL Q CURVE



ADJUSTMENT CURVE





Single section coil former

DT2009 - nylon, maximum working temperature = 130°C.

DT2082 - polystyrene, maximum working temperature = 80°C.

The nylon is of a low water absorbent grade. Nominal winding area = 20.2mm².

**WINDING DATA FOR FULLY WOUND FORMER
ENAMELLED COPPER WIRE TO B.S.1844 (FINE COVERING)**

S.W.G.	Cu. dia. (in.)	Turns	Resistance (Ω)
20	0.036	13	0.013
21	0.032	22	0.032
22	0.028	25	0.050
23	0.024	40	0.105
24	0.022	44	0.135
25	0.020	60	0.22
26	0.018	65	0.29
27	0.0164	72	0.39
28	0.0148	96	0.64
29	0.0136	122	0.98
30	0.0124	142	1.4
31	0.0116	163	1.8
32	0.0108	186	2.4
33	0.0100	216	3.2
34	0.0092	256	4.5
35	0.0084	300	6.4
36	0.0076	365	9.5
37	0.0068	445	14.5
38	0.0060	585	25
39	0.0052	755	42
40	0.0048	885	58
41	0.0044	1030	80
42	0.0040	1250	115
43	0.0036	1580	185
44	0.0032	1940	280
45	0.0028	2500	480
46	0.0024	3350	870
47	0.0020	4850	1850

WINDING DATA FOR FULLY WOUND FORMER

SILK COVERED BUNCHED ENAMELLED COPPER CONDUCTORS
TO B.S.1258

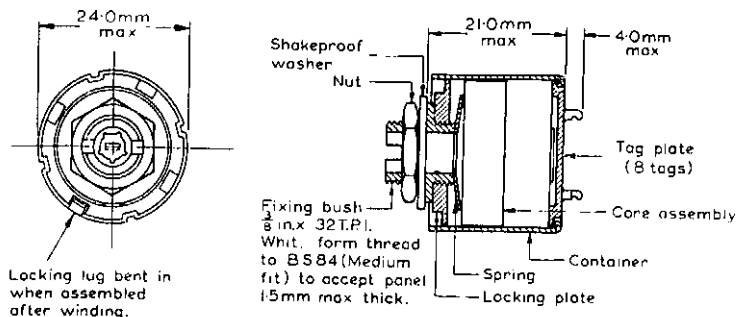
Strands	S.W.G.	Strand dia. (in.)	Insulation	Turns	Resistance (Ω)
81	43	0.0036	D.S.C.	10	0.014
350	48	0.0016	D.S.C.	10	0.017
315	48	0.0016	D.S.C.	11	0.020
81	44	0.0032	D.S.C.	11	0.020
280	48	0.0016	D.S.C.	11	0.023
252	48	0.0016	D.S.C.	12	0.028
81	45	0.0028	D.S.C.	12	0.028
224	48	0.0016	D.S.C.	12	0.031
200	48	0.0016	D.S.C.	19	0.055
180	48	0.0016	D.S.C.	21	0.068
48	44	0.0032	D.S.C.	21	0.064
160	48	0.0016	D.S.C.	22	0.080
140	48	0.0016	D.S.C.	24	0.100
30	43	0.0036	S.S.C.	25	0.096
81	47	0.0020	D.S.C.	36	0.165
30	44	0.0032	S.S.C.	38	0.185
100	48	0.0016	D.S.C.	40	0.23
30	45	0.0028	S.S.C.	55	0.35
81	48	0.0016	D.S.C.	55	0.40
30	46	0.0024	S.S.C.	62	0.54
19	45	0.0028	S.S.C.	81	0.81
30	47	0.0020	S.S.C.	90	1.10
7	42	0.0040	S.S.C.	115	1.55
10	45	0.0028	S.S.C.	140	2.6
9	45	0.0028	S.S.C.	152	3.2
7	45	0.0028	S.S.C.	225	6.1
3	44	0.0032	S.S.C.	291	14
3	46	0.0024	S.S.C.	420	36

VINKOR ADJUSTABLE POT CORE

LA2405

21mm adjustable pot core specially designed for high quality inductors operating at frequencies up to approximately 200kc/s.

6698



Dimensions of hexagonal nut are 0.5in. max. across the flats by 0.1in. max. thickness.

ELECTRICAL AND MAGNETIC PROPERTIES OF CORE ASSEMBLY

with adjuster at nominal mid-range position.

Effective permeability	μ_e	*63
Turns for 1mH	α	73.4
Initial permeability of material	μ_i	
Minimum		1000
Typical		1375

Residual plus eddy current dissipation factor measured at:	$\tan \delta_{r+e}$	
B max. < 0.5 gauss, f = 30kc/s		
Typical		0.23×10^{-3}
Maximum		0.32×10^{-3}
B max. < 0.5 gauss, f = 100kc/s		
Typical		0.44×10^{-3}
Maximum		0.63×10^{-3}

Hysteresis factor measured at 4kc/s	$F_h = \frac{R}{L} \cdot \frac{1}{1.4\sqrt{L}}$	
Typical		4.75
Maximum		6.2

Temperature coefficient over the range 20 to 50°C	$\frac{\Delta L}{L \cdot \Delta T}$	0 to +126 p.p.m./°C
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*Without the adjuster, the effective permeability of the core is $59.0 \pm 2\%$.

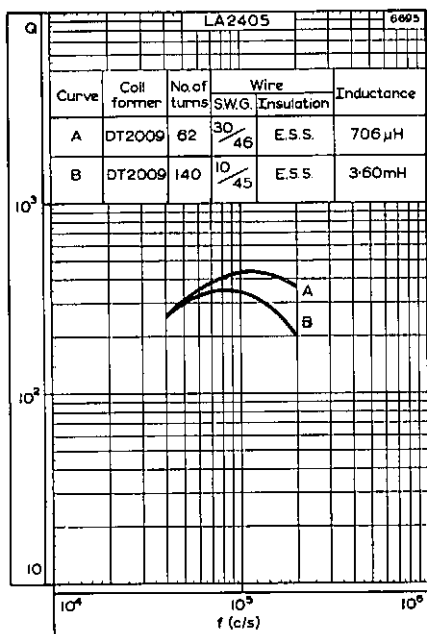
GENERAL NOTES

Coil formers are not supplied with the Vinkor but should be ordered separately. For details see page 3.

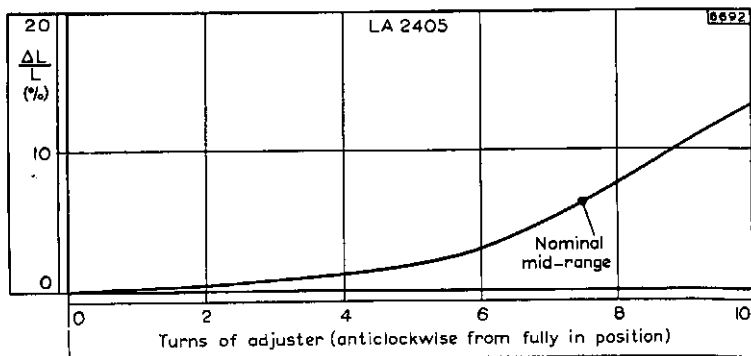
For correct assembly and adjustment of piece parts use aligning plug type DT2033. See separate data sheet.

Non-magnetic screwdriver type DT2047 should be used for precise adjustment of inductance.



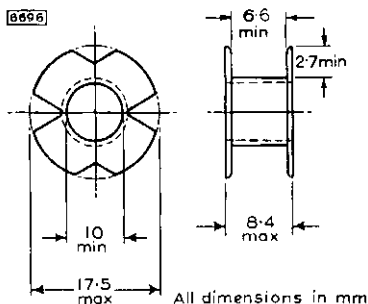


TYPICAL Q CURVES



ADJUSTMENT CURVE





Single section coil former

DT2009 - nylon, maximum working temperature = 130°C.

DT2082 - polystyrene, maximum working temperature = 80°C.

The nylon is of a low water absorbent grade. Nominal winding area = 20.2mm².

WINDING DATA FOR FULLY WOUND FORMER
ENAMELLED COPPER WIRE TO B.S.1844 (FINE COVERING)

S.W.G.	Cu. dia. (in.)	Turns	Resistance (Ω)
20	0.036	13	0.013
21	0.032	22	0.032
22	0.028	25	0.050
23	0.024	40	0.105
24	0.022	44	0.135
25	0.020	60	0.22
26	0.018	65	0.29
27	0.0164	72	0.39
28	0.0148	96	0.64
29	0.0136	122	0.98
30	0.0124	142	1.4
31	0.0116	163	1.8
32	0.0108	186	2.4
33	0.0100	216	3.2
34	0.0092	256	4.5
35	0.0084	300	6.4
36	0.0076	365	9.5
37	0.0068	445	14.5
38	0.0060	585	25
39	0.0052	755	42
40	0.0048	885	58
41	0.0044	1030	80
42	0.0040	1250	115
43	0.0036	1580	185
44	0.0032	1940	280
45	0.0028	2500	480
46	0.0024	3350	870
47	0.0020	4850	1850

WINDING DATA FOR FULLY WOUND FORMER

SILK COVERED BUNCHED ENAMELLED COPPER CONDUCTORS TO B.S.1258

Strands	S.W.G.	Strand dia. (in.)	Insulation	Turns	Resistance (Ω)
81	43	0.0036	D.S.C.	10	0.014
350	48	0.0016	D.S.C.	10	0.017
315	48	0.0016	D.S.C.	11	0.020
81	44	0.0032	D.S.C.	11	0.020
280	48	0.0016	D.S.C.	11	0.023
252	48	0.0016	D.S.C.	12	0.028
81	45	0.0028	D.S.C.	12	0.028
224	48	0.0016	D.S.C.	12	0.031
200	48	0.0016	D.S.C.	19	0.055
180	48	0.0016	D.S.C.	21	0.068
48	44	0.0032	D.S.C.	21	0.064
160	48	0.0016	D.S.C.	22	0.080
140	48	0.0016	D.S.C.	24	0.100
30	43	0.0036	S.S.C.	25	0.096
81	47	0.0020	D.S.C.	36	0.165
30	44	0.0032	S.S.C.	38	0.185
100	48	0.0016	D.S.C.	40	0.23
30	45	0.0028	S.S.C.	55	0.35
81	48	0.0016	D.S.C.	55	0.40
30	46	0.0024	S.S.C.	62	0.54
19	45	0.0028	S.S.C.	81	0.81
30	47	0.0020	S.S.C.	90	1.10
7	42	0.0040	S.S.C.	115	1.55
10	45	0.0028	S.S.C.	140	2.6
9	45	0.0028	S.S.C.	152	3.2
7	45	0.0028	S.S.C.	225	6.1
3	44	0.0032	S.S.C.	291	14
3	46	0.0024	S.S.C.	420	36

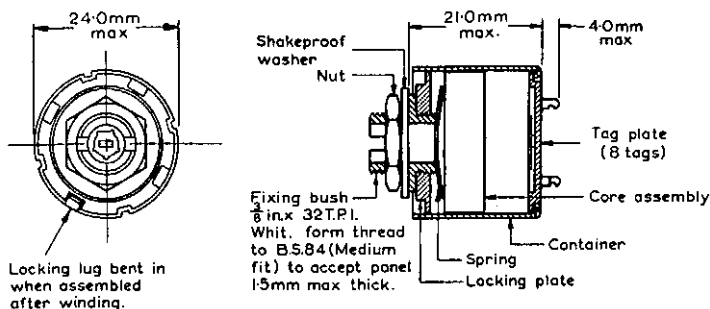
VINKOR ADJUSTABLE POT CORE

LA2409

21mm adjustable pot core specially designed for high quality inductors operating at frequencies up to approximately 2Mc/s.

PRELIMINARY DATA

669A



Dimensions of hexagonal nut are 0.5in. max. across the flats, 0.1in. max. thickness.

ELECTRICAL AND MAGNETIC PROPERTIES OF CORE ASSEMBLY

with adjuster at nominal mid-range position.

Effective permeability	μ_e	*63
Turns for 1mH	α	73.4
Initial permeability of material	μ_i	
Minimum		600
Residual plus eddy current dissipation factor	$\tan \delta_{r+c}$	
Typical values measured at;		
B max. < 0.5 gauss, f=100 kc/s		1.75×10^{-3}
B max. < 0.5 gauss, f=1Mc/s		0.55×10^{-3}
Hysteresis factor measured at 100kc/s	$F_h = \frac{R}{L} \cdot \frac{1}{f \sqrt{L}}$	
Maximum		6.2
Temperature coefficient over the range 20 to 50°C	$\frac{\Delta L}{L \cdot \Delta T}$	0 to +158 ppm/°C

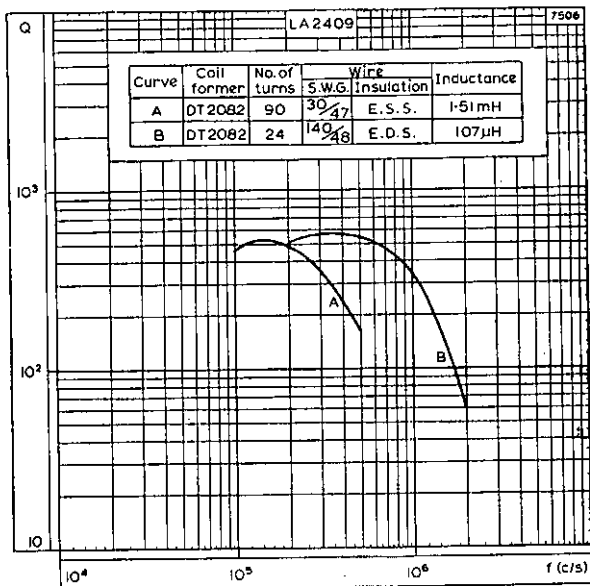
*Without the adjuster, the effective permeability of the core is $59.0 \pm 2\%$.

GENERAL NOTES

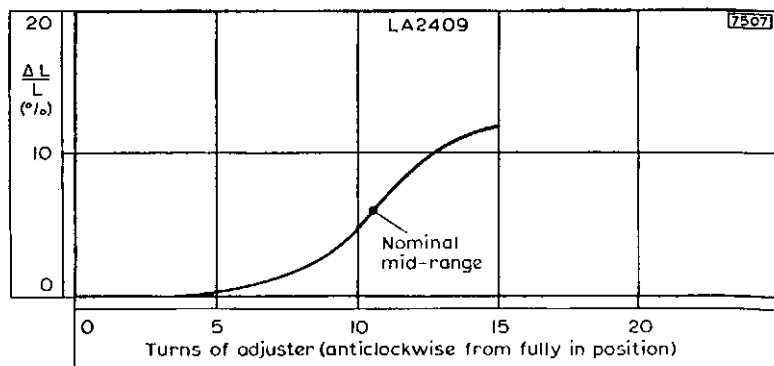
Coil formers are not supplied with the Vinkor but should be ordered separately. For details see pages 3 and 4.

For correct assembly and adjustment of piece parts use aligning plug type DT2033. See separate data sheet.

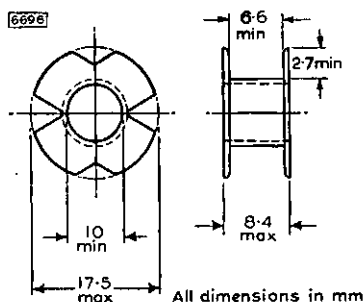
Non-magnetic screwdriver type DT2047 should be used for precise adjustment of inductance.



TYPICAL Q CURVES



ADJUSTMENT CURVE



Single section coil former

DT2009—nylon, maximum working temperature=130°C.

DT2082—polystyrene, maximum working temperature=80°C.

The nylon is of a low water absorbent grade.

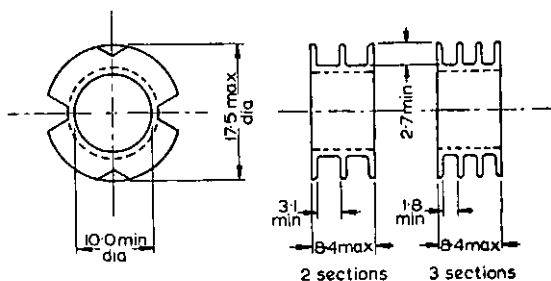
**WINDING DATA FOR FULLY WOUND FORMER
ENAMELLED COPPER WIRE TO B.S.1844 (FINE COVERING)**

S.W.G.	Cu. dia. (in.)	Turns	Resistance (Ω)
20	0.036	13	0.013
21	0.032	22	0.032
22	0.028	25	0.05
23	0.024	40	0.105
24	0.022	44	0.135
25	0.02	60	0.22
26	0.018	65	0.29
27	0.0164	72	0.39
28	0.0148	96	0.64
29	0.0136	122	0.98
30	0.0124	142	1.4
31	0.0116	163	1.8
32	0.0108	186	2.4
33	0.01	216	3.2
34	0.0092	256	4.5
35	0.0084	300	6.4
36	0.0076	365	9.5
37	0.0068	445	14.5
38	0.006	585	25
39	0.0052	755	42
40	0.0048	885	58
41	0.0044	1030	80
42	0.004	1250	115
43	0.0036	1580	185
44	0.0032	1940	280
45	0.0028	2500	480
46	0.0024	3350	870
47	0.002	4850	1850

WINDING DATA FOR FULLY WOUND FORMER SILK COVERED BUNCHED ENAMELLED COPPER CONDUCTORS TO B.S.1258

Strands	S.W.G.	Strand dia. (in.)	Insulation	Turns	Resistance (Ω)
81	43	0.0036	D.S.C.	10	0.014
350	48	0.0016	D.S.C.	10	0.017
315	48	0.0016	D.S.C.	11	0.020
81	44	0.0032	D.S.C.	11	0.020
280	48	0.0016	D.S.C.	11	0.023
252	48	0.0016	D.S.C.	12	0.028
81	45	0.0028	D.S.C.	12	0.028
224	48	0.0016	D.S.C.	12	0.031
200	48	0.0016	D.S.C.	19	0.055
180	48	0.0016	D.S.C.	21	0.068
48	44	0.0032	D.S.C.	21	0.064
160	48	0.0016	D.S.C.	22	0.08
140	48	0.0016	D.S.C.	24	0.1
30	43	0.0036	S.S.C.	25	0.096
81	47	0.002	D.S.C.	36	0.165
30	44	0.0032	S.S.C.	38	0.185
100	48	0.0016	D.S.C.	40	0.23
30	45	0.0028	S.S.C.	55	0.35
81	48	0.0016	D.S.C.	55	0.40
30	46	0.0024	S.S.C.	62	0.54
19	45	0.0028	S.S.C.	81	0.81
30	47	0.002	S.S.C.	90	1.10
7	42	0.004	S.S.C.	115	1.55
10	45	0.0028	S.S.C.	140	2.6
9	45	0.0028	S.S.C.	152	3.2
7	45	0.0028	S.S.C.	225	6.1
3	44	0.0032	S.S.C.	291	14
3	46	0.0024	S.S.C.	420	36

Multi-section coil former



[6984]

All dimensions in mm

- 2 sections DT 2060—nylon, maximum working temperature=130°C.
DT 2074—polystyrene, maximum working temperature=80°C.
- 3 sections DT 2055—nylon, maximum working temperature=130°C,
DT 2069—polystyrene, maximum working temperature=80°C
- The nylon is of a low water absorbent grade.

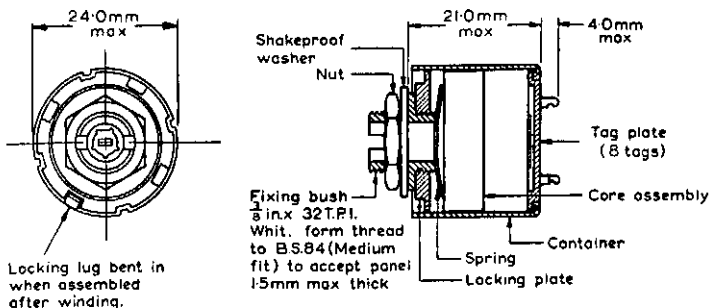
VINKOR ADJUSTABLE POT CORE

LA2410

21mm adjustable pot core specially designed for high quality inductors operating at frequencies up to approximately 2Mc/s.

PRELIMINARY DATA

6698



Dimensions of hexagonal nut are 0.5in. max. across the flats, 0.1in. max. thickness.

ELECTRICAL AND MAGNETIC PROPERTIES OF CORE ASSEMBLY

with adjuster at nominal mid-range position.

Effective permeability	μ_e	*40
Turns for 1mH	α	92.0
Initial permeability of material	μ_i	
Minimum		600
Residual plus eddy current dissipation factor	$\tan \delta_{r+e}$	
Typical values measured at;		
B max. < 0.5 gauss, $f = 100\text{kc/s}$		0.35×10^{-3}
B max. < 0.5 gauss, $f = 1\text{Mc/s}$		1.1×10^{-3}
Hysteresis factor measured at 100kc/s	$F_h = \frac{R}{L} \cdot \frac{1}{1.f\sqrt{L}}$	
Maximum		3.2
Temperature coefficient over the range 20 to 50°C	$\frac{\Delta L}{L \cdot \Delta T}$	0 to +100 ppm/°C

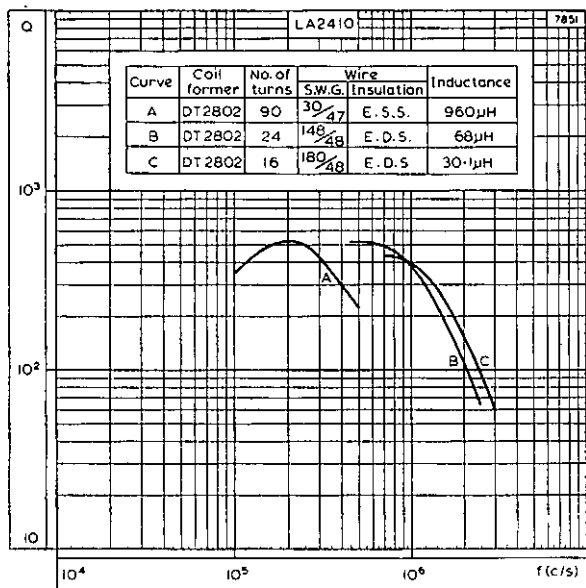
*Without the adjuster, the effective permeability of the core is $35.9 \pm 2\%$.

GENERAL NOTES

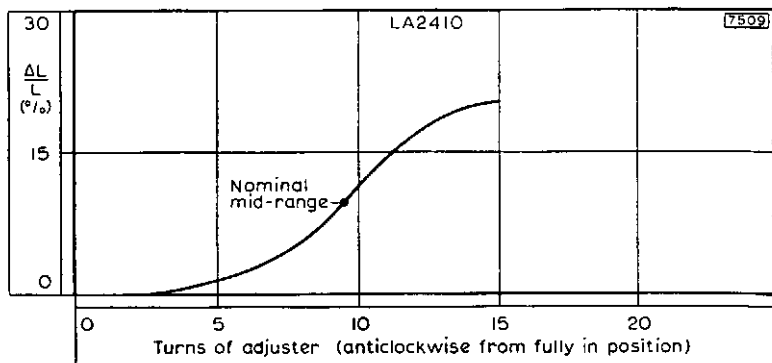
Coil formers are not supplied with the Vinkor but should be ordered separately. For details see pages 3 and 4.

For correct assembly and adjustment of piece parts use aligning plug type DT2033. See separate data sheet.

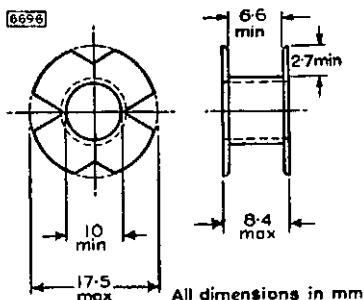
Non-magnetic screwdriver type DT2047 should be used for precise adjustment of inductance.



TYPICAL Q CURVES



ADJUSTMENT CURVE



Single section coil former

DT2009—nylon, maximum working temperature=130°C.

DT2082—polystyrene, maximum working temperature=80°C.

The nylon is of a low water absorbent grade.

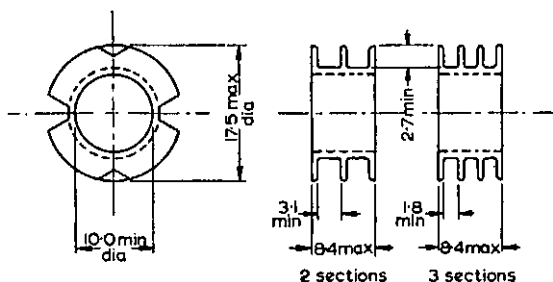
**WINDING DATA FOR FULLY WOUND FORMER
ENAMELLED COPPER WIRE TO B.S.1844 (FINE COVERING)**

S.W.G.	Cu. dia. (in.)	Turns	Resistance (Ω)
20	0.036	13	0.013
21	0.032	22	0.032
22	0.028	25	0.050
23	0.024	40	0.105
24	0.022	44	0.135
25	0.020	60	0.22
26	0.018	65	0.29
27	0.0164	72	0.39
28	0.0148	96	0.64
29	0.0136	122	0.98
30	0.0124	142	1.4
31	0.0116	163	1.8
32	0.0108	186	2.4
33	0.0100	216	3.2
34	0.0092	256	4.5
35	0.0084	300	6.4
36	0.0076	365	9.5
37	0.0068	445	14.5
38	0.0060	585	25
39	0.0052	755	42
40	0.0048	885	58
41	0.0044	1030	80
42	0.0040	1250	115
43	0.0036	1580	185
44	0.0032	1940	280
45	0.0028	2500	480
46	0.0024	3350	870
47	0.0020	4850	1850

WINDING DATA FOR FULLY WOUND FORMER SILK COVERED BUNCHED ENAMELLED COPPER CONDUCTORS TO B.S. 1258

Strands	S.W.G.	Strand dia. (in.)	Insulation	Turns	Resistance (Ω)
81	43	0.0036	D.S.C.	10	0.014
350	48	0.0016	D.S.C.	10	0.017
315	48	0.0016	D.S.C.	11	0.020
81	44	0.0032	D.S.C.	11	0.020
280	48	0.0016	D.S.C.	11	0.023
252	48	0.0016	D.S.C.	12	0.028
81	45	0.0028	D.S.C.	12	0.028
224	48	0.0016	D.S.C.	12	0.031
200	48	0.0016	D.S.C.	19	0.055
180	48	0.0016	D.S.C.	21	0.068
48	44	0.0032	D.S.C.	21	0.064
160	48	0.0016	D.S.C.	22	0.08
140	48	0.0016	D.S.C.	24	0.1
30	43	0.0036	S.S.C.	25	0.096
81	47	0.002	D.S.C.	36	0.165
30	44	0.0032	S.S.C.	38	0.185
100	48	0.0016	D.S.C.	40	0.23
30	45	0.0028	S.S.C.	55	0.35
81	48	0.0016	D.S.C.	55	0.4
30	46	0.0024	S.S.C.	62	0.54
19	45	0.0028	S.S.C.	81	0.81
30	47	0.002	S.S.C.	90	1.1
7	42	0.004	S.S.C.	115	1.55
10	45	0.0028	S.S.C.	140	2.6
9	45	0.0028	S.S.C.	152	3.2
7	45	0.0028	S.S.C.	225	6.1
3	44	0.0032	S.S.C.	291	14
3	46	0.0024	S.S.C.	420	36

Multi-section coil former



6994

All dimensions in mm

- 2 sections DT 2060—nylon, maximum working temperature=130°C.
 DT 2074—polystyrene, maximum working temperature=80°C.
- 3 sections DT 2055—nylon, maximum working temperature=130°C.
 DT 2069—polystyrene, maximum working temperature=80°C.
- The nylon is of a low water absorbent grade.



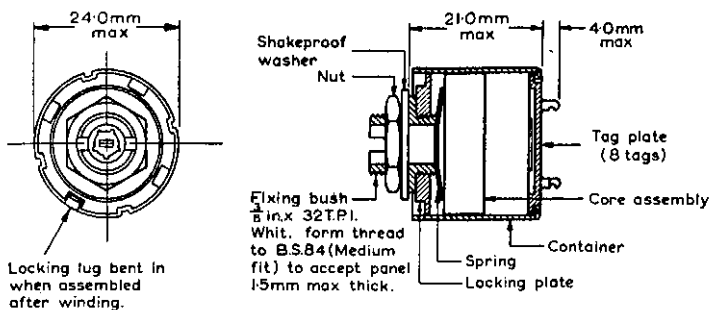
VINKOR ADJUSTABLE POT CORE

LA2411

21mm adjustable pot core specially designed for high quality inductors operating at frequencies up to approximately 3Mc/s.

PRELIMINARY DATA

669B



Dimensions of hexagonal nut are 0.5in. max. across the flats 0.1in. max. thickness.

ELECTRICAL AND MAGNETIC PROPERTIES OF CORE ASSEMBLY

with adjuster at nominal mid-range position.

Effective permeability	μ_0	*25
Turns for 1mH	α	123
Initial permeability of material	μ_i	
Minimum		600
Residual plus eddy current dissipation factor measured at:	$\tan \delta_{r+e}$	
Typical values measured at:		
B max. < 0.5 gauss, $f=100\text{kc/s}$		0.22×10^{-3}
B max. < 0.5 gauss, $f=1\text{Mc/s}$		0.7×10^{-3}

$$\text{Hysteresis factor measured at } 100\text{kc/s } F_h = \frac{R}{L} \cdot \frac{1}{f \cdot \sqrt{L}}$$

Maximum 1.6

Temperature coefficient over the range 20 to 50°C $\frac{\Delta L}{L \cdot \Delta T}$ 0 to +62.5 ppm/°C

*Without the adjuster, the effective permeability of the core is $22.6 \pm 3\%$.

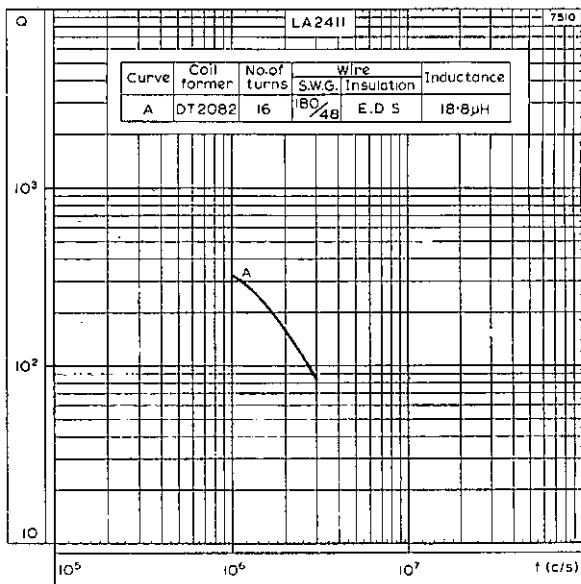
GENERAL NOTES

Coil formers are not supplied with the Vinkor but should be ordered separately. For details see pages 3 and 4.

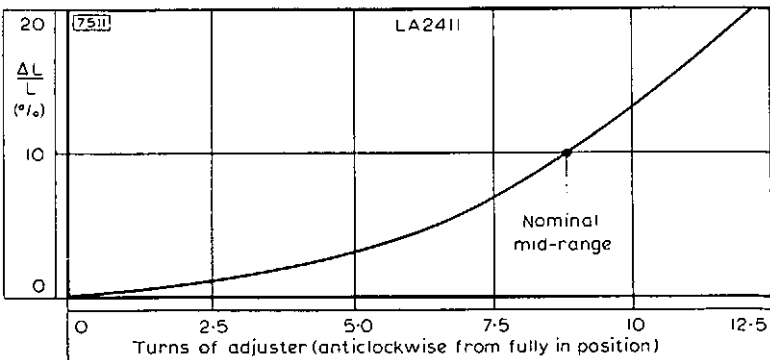
For correct assembly and adjustment of piece parts use aligning plug type DT2033. See separate data sheet.

Non-magnetic screwdriver type DT2047 should be used for precise adjustment of inductance.



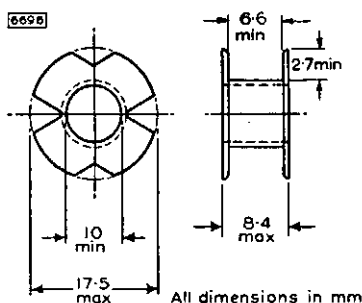


TYPICAL Q CURVES



ADJUSTMENT CURVE





Single section coil former

DT2009—nylon, maximum working temperature=130°C.

DT2082—polystyrene, maximum working temperature=80°C.

The nylon is of a low water absorbent grade.

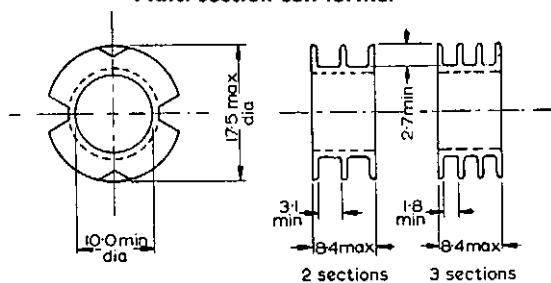
**WINDING DATA FOR FULLY WOUND FORMER
ENAMELLED COPPER WIRE TO B.S.1844 (FINE COVERING)**

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25	0.020	60	0.22
26	0.018	65	0.29
27	0.0164	72	0.39
28	0.0148	96	0.64
29	0.0136	122	0.98
30	0.0124	142	1.4
31	0.0116	163	1.8
32	0.0108	186	2.4
33	0.0100	216	3.2
34	0.0092	256	4.5
35	0.0084	300	6.4
36	0.0076	365	9.5
37	0.0068	445	14.5
38	0.0060	585	25
39	0.0052	755	42
40	0.0048	885	58
41	0.0044	1030	80
42	0.0040	1250	115
43	0.0036	1580	185
44	0.0032	1940	280
45	0.0028	2500	480
46	0.0024	3350	870
47	0.0020	4850	1850

WINDING DATA FOR FULLY WOUND FORMER SILK COVERED BUNCHED ENAMELLED COPPER CONDUCTORS TO B.S. 1258

Strands	S.W.G.	Strand dia. (in.)	Insulation	Turns	Resistance (Ω)
81	43	0.0036	D.S.C.	10	0.014
350	48	0.0016	D.S.C.	10	0.017
315	48	0.0016	D.S.C.	11	0.02
81	44	0.0032	D.S.C.	11	0.02
280	48	0.0016	D.S.C.	11	0.023
252	48	0.0016	D.S.C.	12	0.028
81	45	0.0028	D.S.C.	12	0.028
224	48	0.0016	D.S.C.	12	0.031
200	48	0.0016	D.S.C.	19	0.055
180	48	0.0016	D.S.C.	21	0.068
48	44	0.0032	D.S.C.	21	0.064
160	48	0.0016	D.S.C.	22	0.08
140	48	0.0016	D.S.C.	24	0.1
30	43	0.0036	S.S.C.	25	0.096
81	47	0.0020	D.S.C.	36	0.165
30	44	0.0032	S.S.C.	38	0.185
100	48	0.0016	D.S.C.	40	0.23
30	45	0.0028	S.S.C.	55	0.35
81	48	0.0016	D.S.C.	55	0.4
30	46	0.0024	S.S.C.	62	0.54
19	45	0.0028	S.S.C.	81	0.81
30	47	0.0020	S.S.C.	90	1.1
7	42	0.0040	S.S.C.	115	1.55
10	45	0.0028	S.S.C.	140	2.6
9	45	0.0028	S.S.C.	152	3.2
7	45	0.0028	S.S.C.	225	6.1
3	44	0.0032	S.S.C.	291	14
3	46	0.0024	S.S.C.	420	36

Multi-section coil former



6994

All dimensions in mm

- 2 sections DT 2060—nylon, maximum working temperature= 130°C.
DT 2074—polystyrene, maximum working temperature=80°C.
- 3 sections DT 2055—nylon, maximum working temperature=130°C.
DT 2069—polystyrene, maximum working temperature=80°C.

The nylon is of a low water absorbent grade.