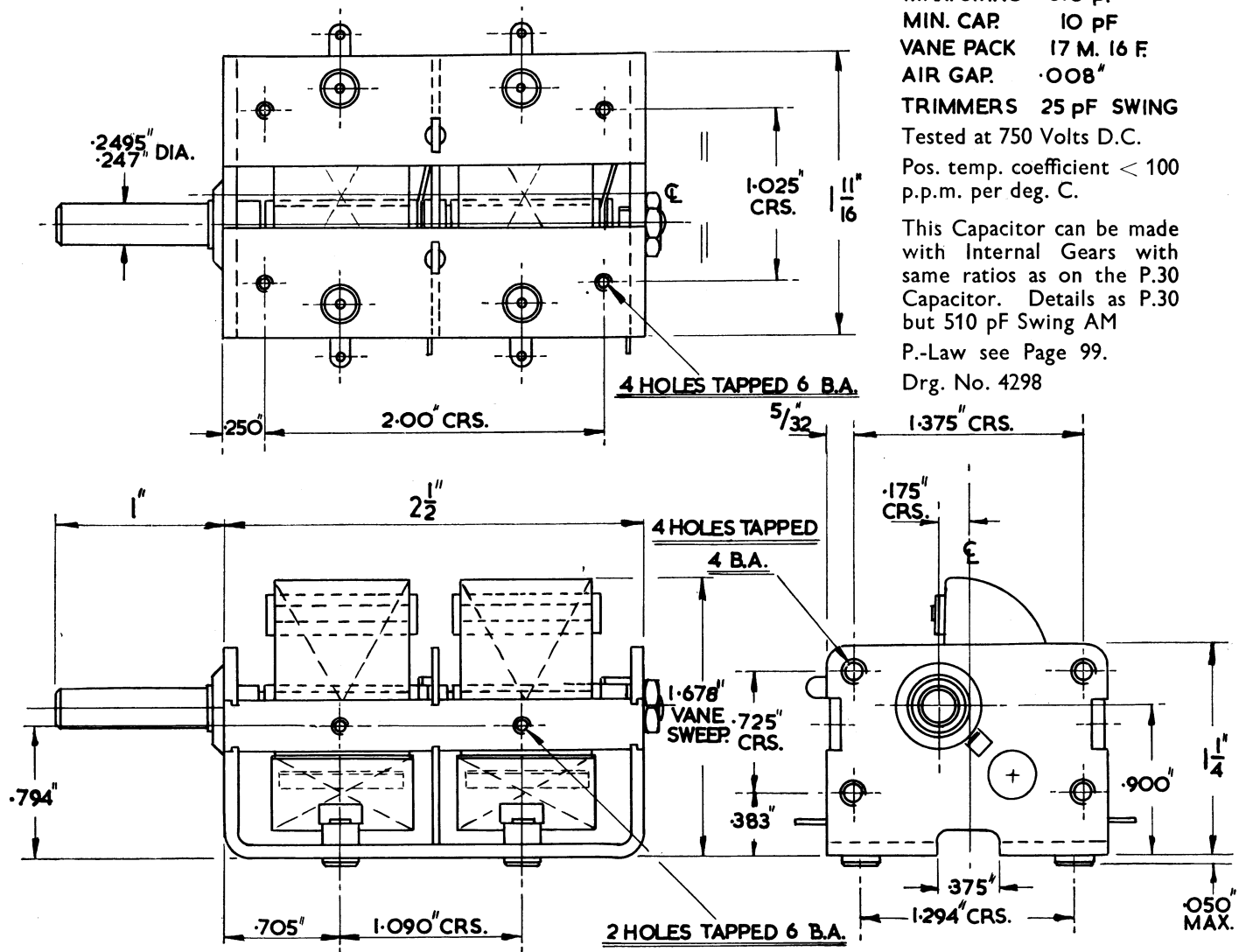
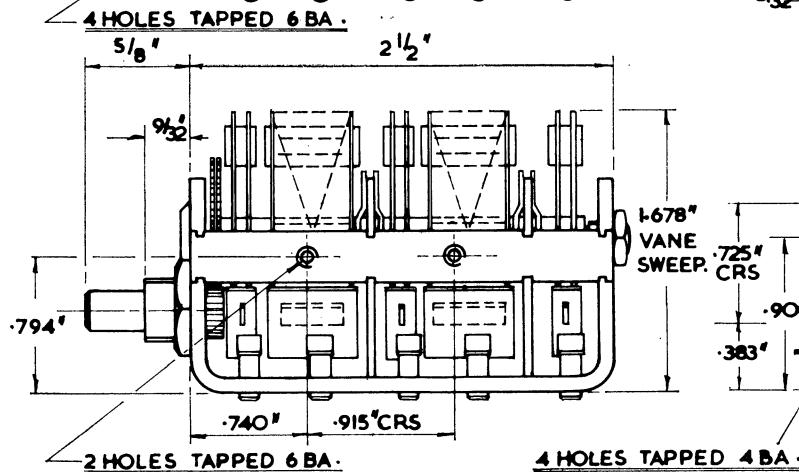
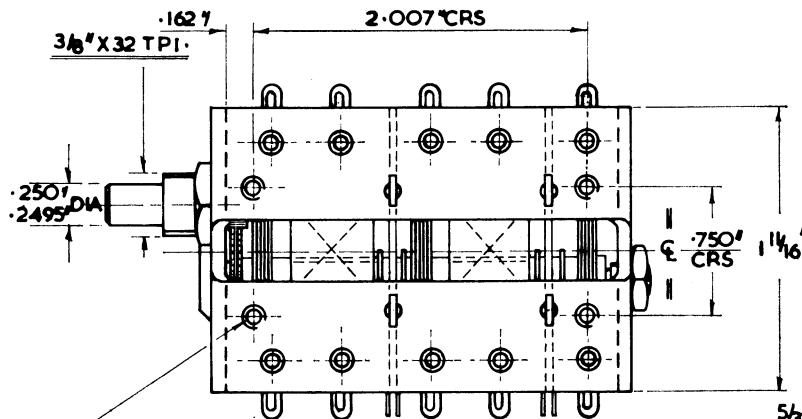


TYPE P.20 2 GANG CAPACITOR

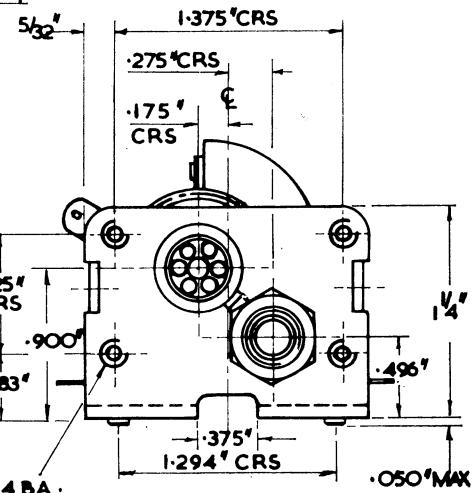


TYPE P503 AM/FM CAPACITOR



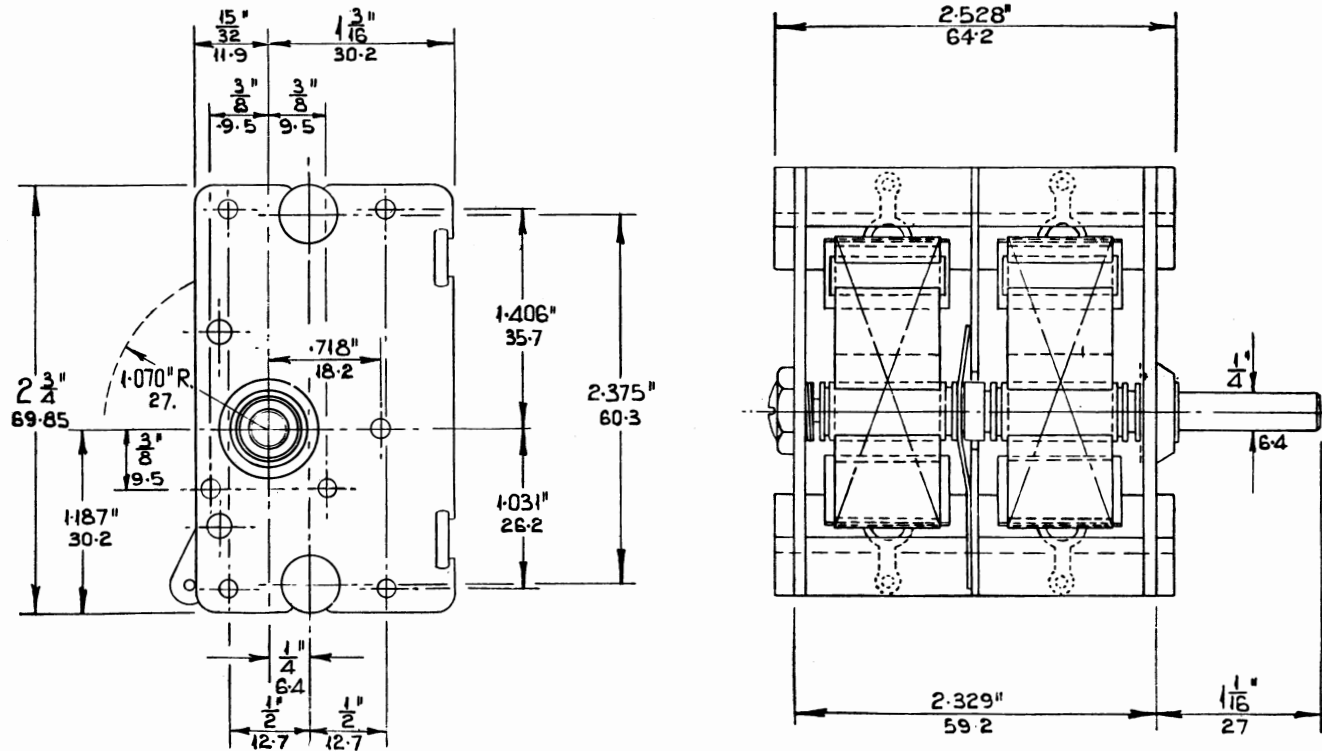
MAX. SWING	AM	: 320pF
MAX. SWING	FM	: 17pF
MIN. CAP.	AM	: 8.5pF
MIN. CAP.	FM	: 5pF
VANE PACK	AM	: 11M. IOF.
VANE PACK	FM	: 2M. IF.
TRIMMER	25pF	SWING.
AIR GAP	AM	: .008"
AIR GAP	FM	: .014"
GEAR RATIO		: 3:1

Tested at 750 volts D.C.
Pos. T.C. < 100 p.p.m./°C.
Alternative gear ratios
2:1 and 7:1 available



Drawing No. 4229/503/AM-FM

TYPE E. GANG CAPACITOR



Available in various capacities up to 532 pF swing. Air gap .012". Insulation :—Ceramic.
 Finish :—Commercial or DEF. 5000. SUPPLIED IN 1, 2, 3 or 4-GANG. Length $\pm 1 \frac{7}{8}$ " per section.
 Also available:—Up to 3 Gangs can be supplied with spindle extended through Back Plate. S.L.F. Capacities up to 262 pF
 Tested at 750 Volts. Positive temperature coefficient < 100 p.p.m. per deg. C.

Three different capacitance Laws are available:—

Normally E.-Law see page 99

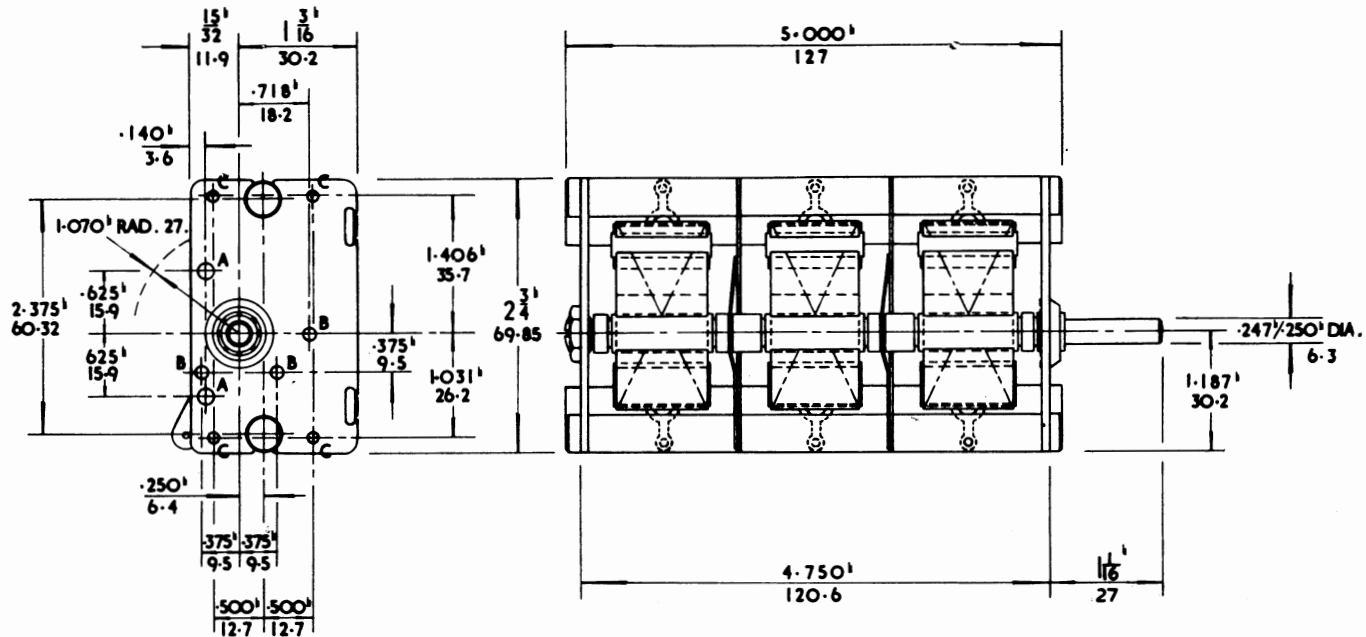
Alternatively H.-Law known as type E.H. Gang see page 99. Also S.L.F. Law known as type E.S.L.F. Gang.

The S.L.F. Law is available up to 262 pF swing and provides linear frequency scale provided that the ratio of min to max frequency is 2 : 1 (with overlap of 20° at H.F. and 10° at L.F. end of scale).

SEE PAGE 31 FOR VARIOUS GEARINGS AVAILABLE

Drawing No. 4507

TYPE L.E. GANG CAPACITOR



NOTE:-

C HOLES ARE USED FOR RIVETTING
 FIXING FEET TO BACK AND FRONT PLATES AS REQ'D.

METRIC AS WELL AS ENGLISH DIMENSIONS SHOWN.

HOLE.	DESCRIPTION.
A.	.160 ¹ / ₃₂ DIA. (4)
B.	.120 ¹ / ₃₂ DIA. (3)
C.	.115 ¹ / ₃₂ DIA. (2-9)
ALL HOLES REPEATED IN BACK PLATE.	

Available in various capacities up to 380 pF swing. Air gap .017" Insulation :—Ceramic. Finish :—
 Commercial or DEF. 5000. SUPPLIED IN 1, 2, 3 or 4-GANG. Length $\pm 1\frac{35}{64}$ " per section.

Also available capacities up to 532 pF swing. Air gap .012" Tested at 750 Volts.

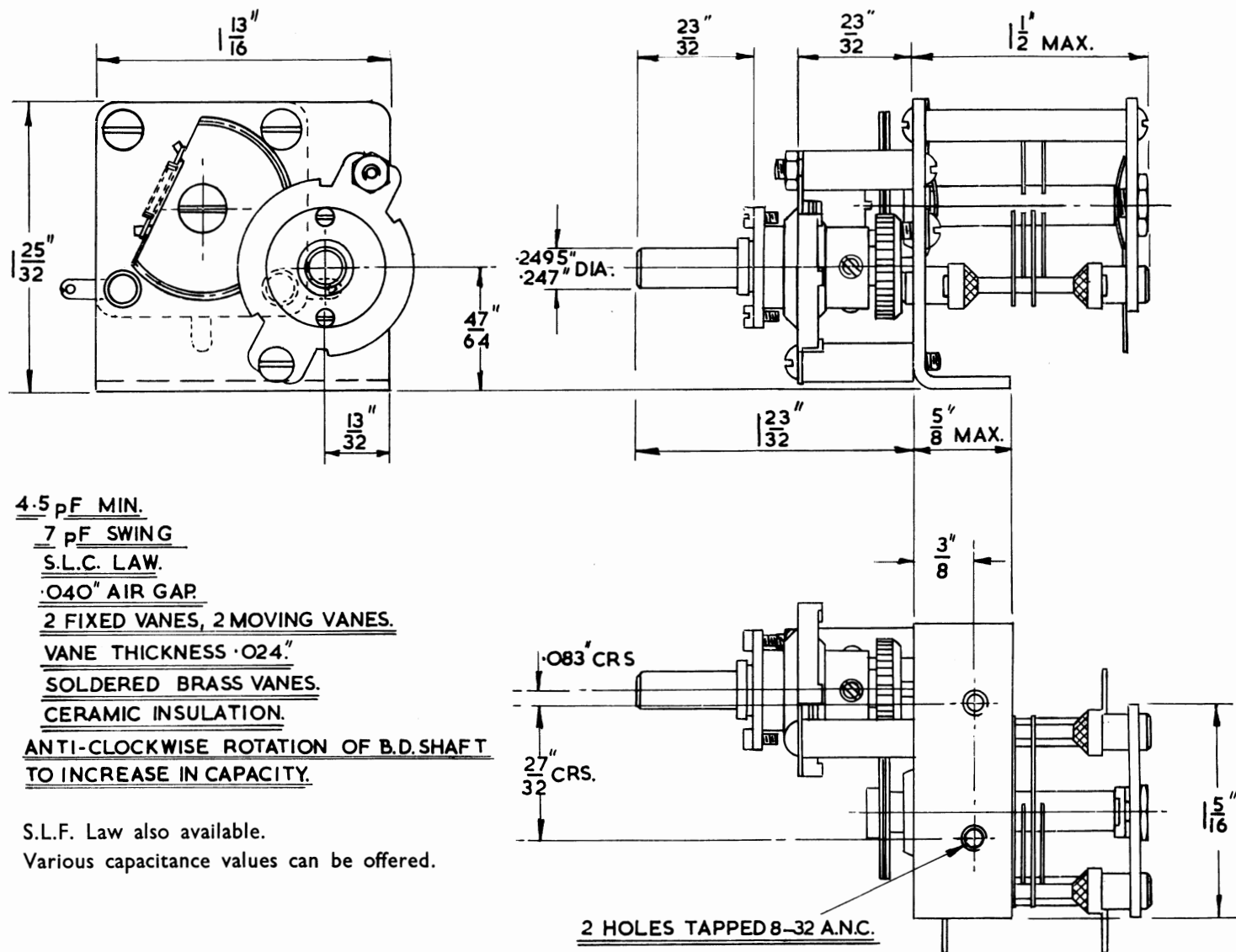
Positive temperature coefficient < 100 p.p.m. per deg. C.

E.-law see page 99

Drawing No : 4595.

SEE PAGE 31 FOR VARIOUS GEARINGS AVAILABLE

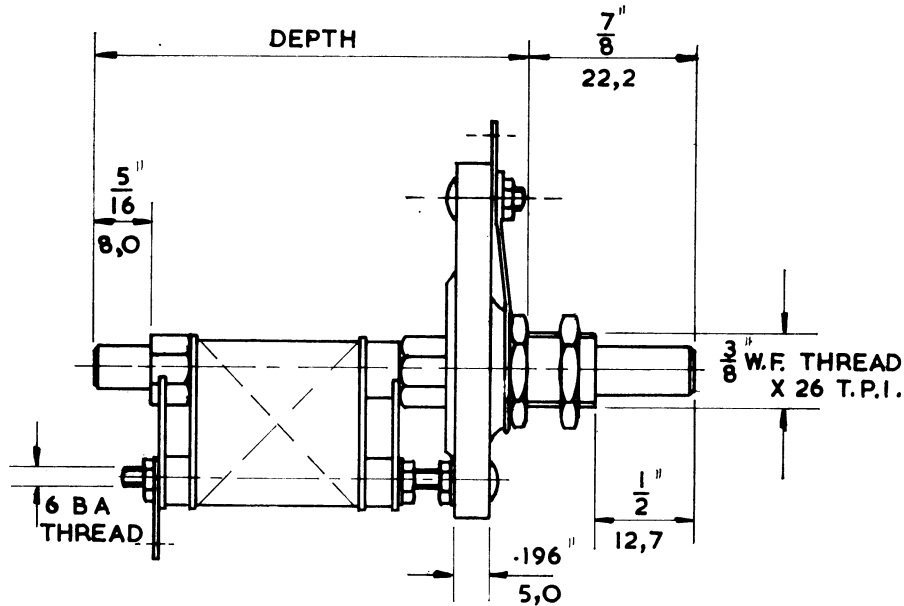
V.F.O. CAPACITOR



Drawing No. 4170

WAVEMASTER VARIABLE CAPACITORS

TYPE 92 CAT. No. 5760



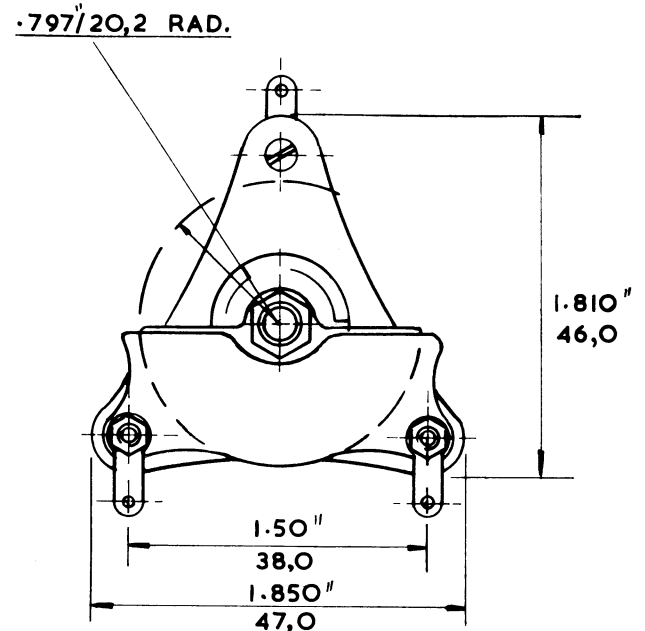
MATERIALS: Ceramic Base; Brass Vane Packs;
Phos. Br. Tension Spring;
Plain Bearings.
Designed for S.W. working.
Modified S.L.C. Law (S.W. Tuning).

TYPE 92 DATA TABLES

25	.025"	1 7/8"	92/O73
200	.017"	2 3/8"	92/O57
160	.017"	2 1/8"	92/O57
100	.017"	2"	92/O57
75	.017"	1 3/4"	92/O57
50	.017"	1 3/4"	92/O57
25	.017"	1 5/8"	92/O57
MAX. CAP. pF	AIR GAP	DEPTH	SUB TYPE

50	.064"	2 3/4"	92/150
30	.064"	2 1/4"	92/150
15	.064"	1 3/4"	92/150
125	.025"	2"	92/O73
95	.025"	1 7/8"	92/O73
45	.025"	1 1/2"	92/O73
MAX. CAP. pF	AIR GAP	DEPTH	SUB TYPE

TYPE 87 CAT. No. 5800



MATERIALS: Ceramic Base; Brass Vane Packs;
Phos. Br. Tension Spring;
Plain Bearings.
Designed for S.W. working.
S.L.C. Law.

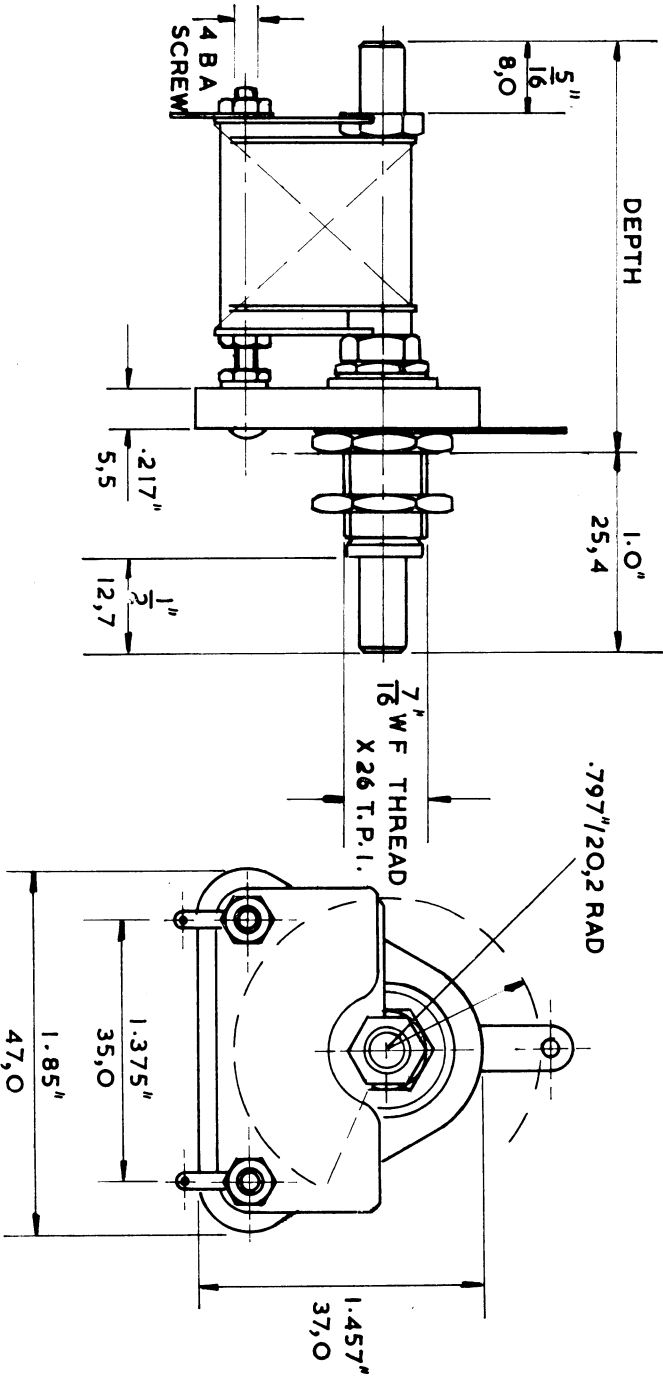
TYPE 87 DATA TABLES

10	.025"	1 3/8"	87/O73
250	.017"	2"	87/O57
200	.017"	1 7/8"	87/O57
150	.017"	1 5/8"	87/O57
100	.017"	1 1/2"	87/O57
80	.017"	1 1/2"	87/O57
50	.017"	1 3/8"	87/O57
12	.017"	1 1/4"	87/O57
MAX. CAP. pF.	AIR GAP	DEPTH	SUB TYPE

50	.064"	2 1/4"	87/150
25	.064"	1 3/4"	87/150
15	.064"	1 3/8"	87/150
160	.025"	2"	87/O73
105	.025"	1 3/4"	87/O73
70	.025"	1 5/8"	87/O73
35	.025"	1 1/2"	87/O73
MAX. CAP. pF.	AIR GAP	DEPTH	SUB TYPE

WAVEMASTER VARIABLE CAPACITOR

TYPE 95 Cat. No. 5790



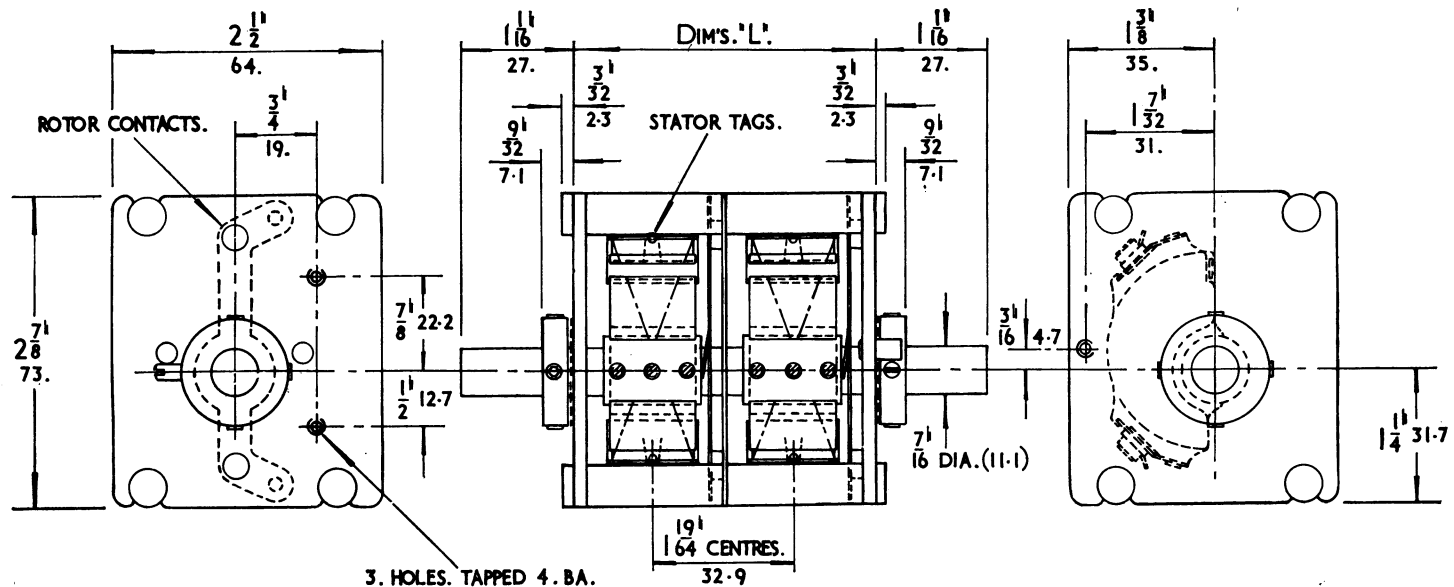
MATERIALS: Ceramic Base; Brass Vane Packs; Phos. Br. Tension Spring.
Ball Bearings. Designed for S.W. working. S.L.C. Law.

300	.017"	2 1/4"	95/O57
240	.017"	2 1/4"	95/O57
210	.017"	2 1/4"	95/O57
160	.017"	2 1/8"	95/O57
90	.017"	1 3/4"	95/O57
50	.017"	1 5/8"	95/O57
25	.017"	1 1/2"	95/O57
MAX. CAP. PF.	AIR GAP	DEPTH	SUB TYPE

20	.044"	1 5/8"	95/110
12	.044"	1 5/8"	95/110
150	.025"	2 1/8"	95/O73
110	.025"	2"	95/O73
75	.025"	1 3/4"	95/O73
50	.025"	1 5/8"	95/O73
15	.025"	1 1/2"	95/O73
MAX. CAP. PF.	AIR GAP	DEPTH	SUB TYPE

50	.064"	2 5/8"	95/150
35	.064"	2 3/8"	95/150
20	.064"	2"	95/150
15	.064"	1 5/8"	95/150
60	.044"	2 1/8"	95/110
30	.044"	1 3/4"	95/110
MAX. CAP. PF.	AIR GAP	DEPTH	SUB TYPE

TYPE I.R. GANG CAPACITOR



DESCRIPTION.	DIM'S. L.	PART No.
1. GANG.	1 1/2 (38.1)	5140-1.
2. GANG.	2 51/64 (71)	5140-2.
3. GANG.	4 3/32 (104)	5140-3.
4. GANG.	5 25/64 (137)	5140-4.

CAPACITY SWING. "E". LAW.	MIN. CAP.	AIR GAP.	VANES.	
			FIXED.	MOVING.
532.	12.	.012 ¹	12.	13.
487.5	11.5	.012 ¹	11.	12.
443.	11.	.012 ¹	10.	11.
399.	10.5	.012 ¹	9.	10.
354.5	10.	.012 ¹	8.	9.
310.3	10.	.012 ¹	7.	8.

Also various capacities up to 200 pF with .024" Air Gap.

NOTE:- METRIC AS WELL AS ENGLISH DIMENSIONS SHOWN.

Material: Steel Frame (Alloy Frame Bars). Steel Ball-Bearings. Aluminium Vanes. Low Loss Ceramic Spindle. Ceramic Stator Insulation Pillars. P.T.F.E. Rotor Wipe Contact Insulation Pillars.

The high quality "Communication" Gang Capacitor. The frame bars are of low expansion alloy to match the Ceramic Spindle.

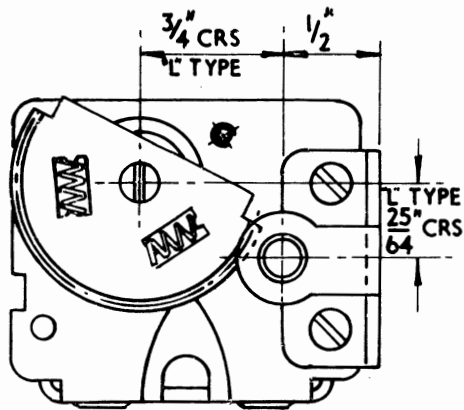
The rotor is isolated from the frame. E.-Law, see Page 99.
Positive temperature coefficient less than 100 p.p.m. per deg. C.

See page 93 for details of Mounting Feet available as an extra for this Capacitor.

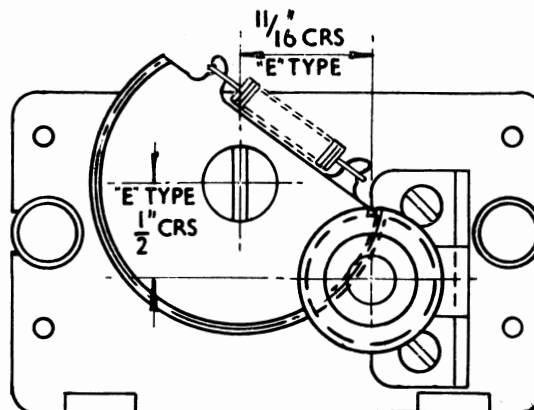
Finish :— DEF 5000 Tested at 750 Volts.

Drawing No. 5140

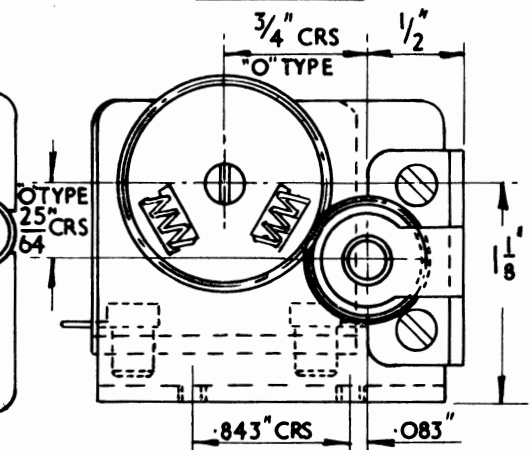
GEAR DRIVE No. G3S
RATIO 3:1



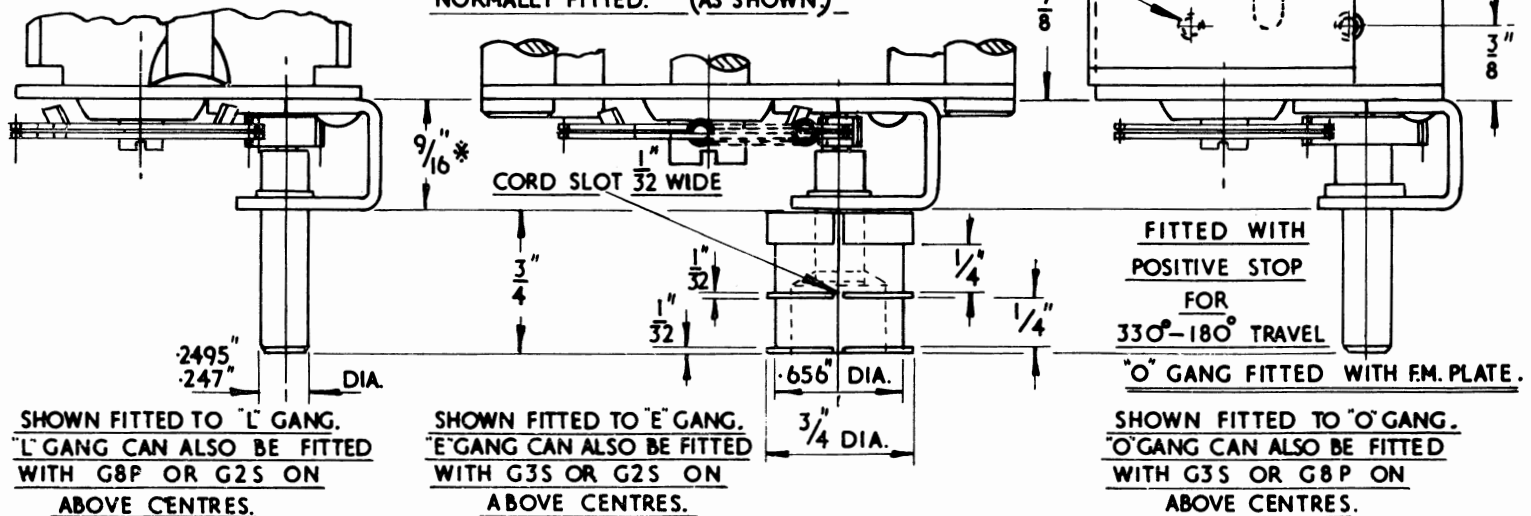
GEAR DRIVE No. G8P
RATIO 8:1



GEAR DRIVE No. G2S
RATIO 33:18



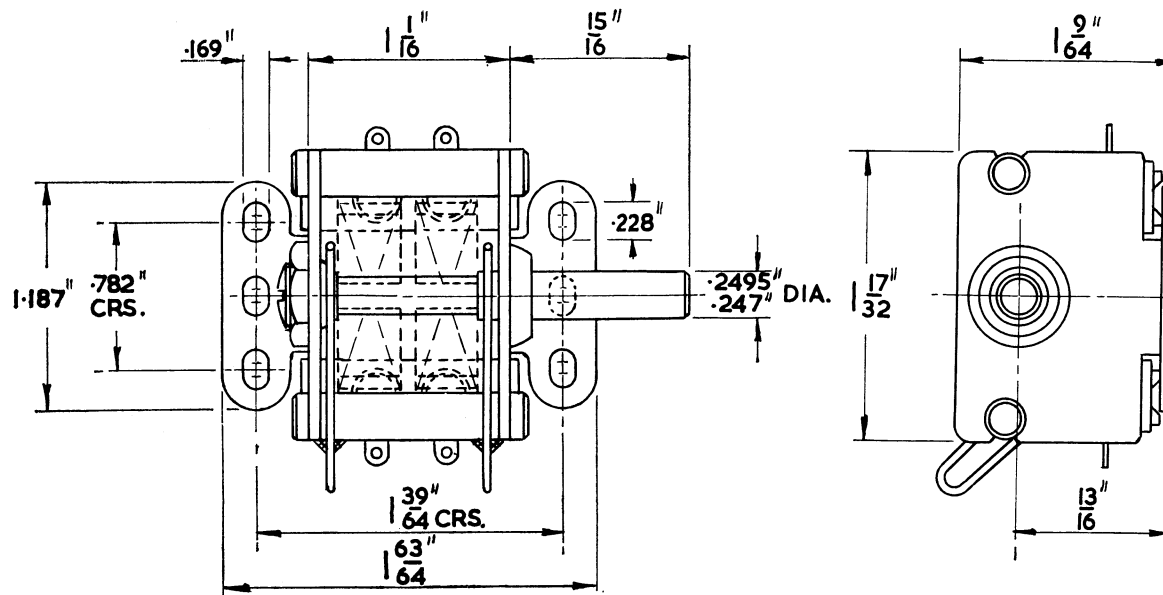
NOTE:-MAIN SPINDLE MAY BE EXTENDED $\frac{1}{4} \times \frac{1}{2}$
* "O" & "L" GANG AVAILABLE WITH EXTENDED BRACKET $\frac{1}{8}$ \"
ANTI-CLOCK ROTATION OF SLOW MOTION-INCREASE IN CAPACITY
NORMALLY FITTED. (AS SHOWN.)



The above gearing can be made applicable to the following capacitors:—

Types, O, OFM, L, L23, F, ME, E, LE, and Band Spread Gang Capacitors.

TYPE UI01, UI02 and UI03 SPLIT STATOR CAPACITORS



Steel Screens can be inserted between the split Stators of these types to produce, 2 gang, 4 gang or 6 gang Capacitors.

These are referred to as
UI01 Split Stator with Screen
UI02 Split Stator with Screens
UI03 Split Stator with Screens

AVAILABLE CAPACITIES

CAPACITORS WITHOUT SCREENS. (AS DRAWN.)				
MIN. CAP.	MAX. CAP.	AIR GAP	MOVING VANES	FIXED VANES
3.5 + 3.5 pF	10 + 10 pF	.045"	3	3
3.5 + 3.5 "	18 + 18 "	.015"	3	2
3.8 + 3.8 "	25 + 25 "	.015"	4	3
4.0 + 4.0 "	35 + 35 "	.015"	5	4
4.0 + 4.0 "	43 + 43 "	.015"	6	5

CAPACITORS WITH SCREENS FITTED.				
MIN. CAP.	MAX. CAP.	AIR GAP	MOVING VANES	FIXED VANES
5.5 + 5.5 pF	12 + 12 pF	.045"	3	3
5.5 + 5.5 "	20 + 20 "	.015"	3	2
5.8 + 5.8 "	27 + 27 "	.015"	4	3
6.0 + 6.0 "	37 + 37 "	.015"	5	4
6.0 + 6.0 "	45 + 45 "	.015"	6	5

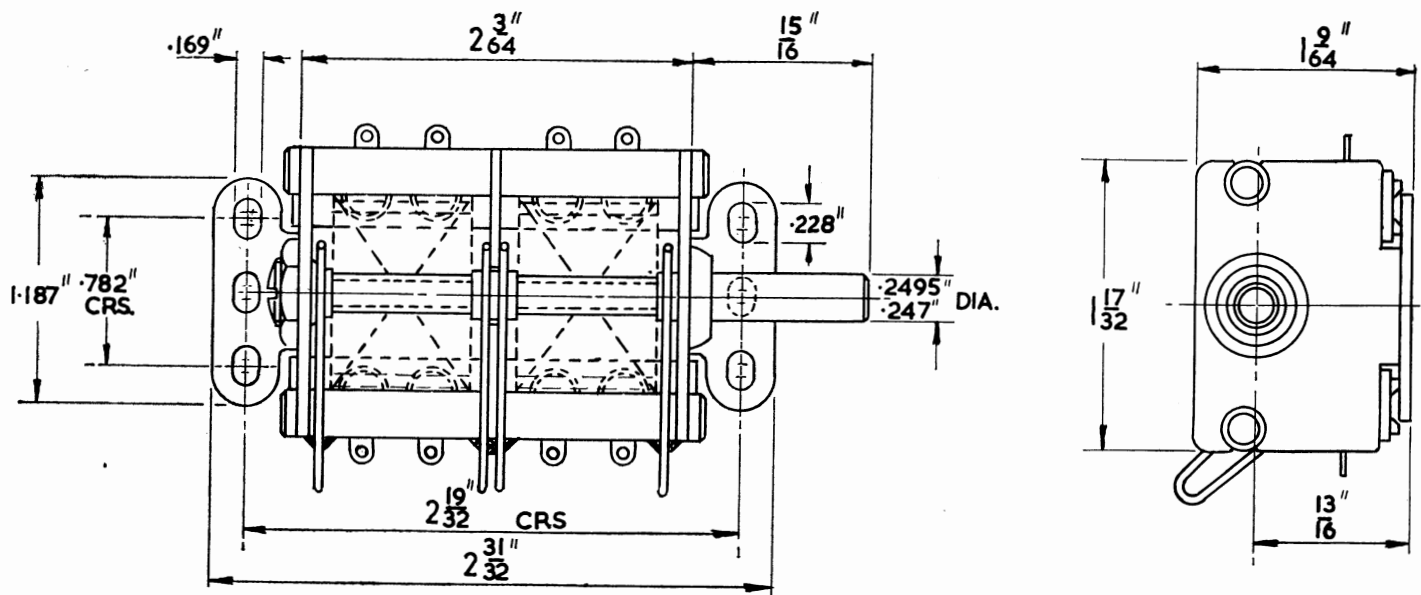
SLC LAW.

Positive temperature coefficient < 100 p.p.m. per deg. C.

ALSO AVAILABLE WITH EXTENDED REAR SPINDLE. TYPE UI01/SS/EXT

Specification:— Cadmium Plated Steel Frame Ceramic Insulation Other Parts Silver Plated Brass
Finish:— Commercial or DEF 5000 SLC Law. Also available with Extended Rear Spindle.
UI01 Split Stator Capacitor Drg. No. 5095/SS UI02 Split Stator Capacitor Drg. No. 5096/SS
UI03 Split Stator Capacitor Drg. No. 5096/3/SS
.015" AG Tested at 750 Volts. .045" AG Tested at 1250 Volts

TYPE U101, U102 and U103 CAPACITORS



AVAILABLE CAPACITIES

MIN. CAP	MAX. CAP.	AIR GAP	MOVING VANES	FIXED VANES
7 pF	100 pF	.015"	13	12
6 "	75 "	.015"	10	9
5 "	50 "	.015"	7	6
5 "	20 "	.045"	7	6
3.5 "	15 "	.045"	6	6
3 "	10 "	.045"	4	3

NOTE:—

U101 indicates 1 gang
U102 indicates 2 gang
U103 indicates 3 gang

SLC LAW

Positive temperature coefficient < 100 p.p.m. per deg. C.

ALSO AVAILABLE WITH EXTENDED REAR SPINDLE. TYPE U102/EXT

Specification:— as Split Stator Capacitor. Finish:— as Split Stator Capacitor. SLC Law.
Type U101 Cap Drg. No. 5095. U102 Cap Drg. No. 5096. U103 Cap Drg. No. 5096/3
.015" AG Tested at 750 Volts. .045" AG Tested at 1250 Volts.