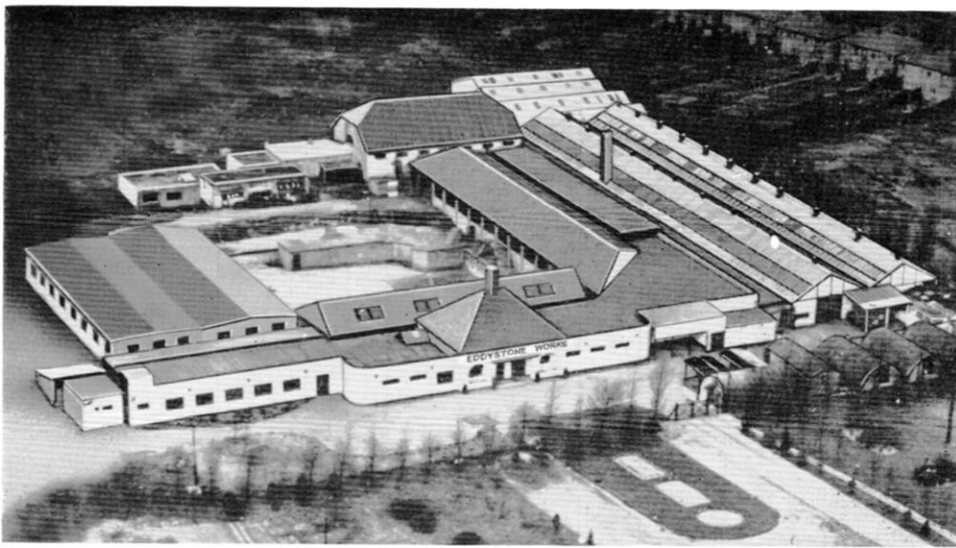


# EDDYSTONE

## RADIO AND ELECTRONIC COMPONENTS



MANUFACTURED BY :

EDDYSTONE RADIO LTD.

EDDYSTONE WORKS, BIRMINGHAM 31  
ENGLAND

TELEPHONE:  
PRIORY 2231/4

TELEGRAMS:  
EDDYSTONE BIRMINGHAM

TELEX:  
33708

## VARIABLE CAPACITORS

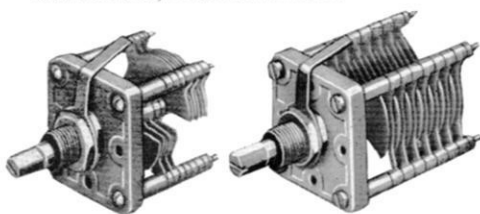
A comprehensive range of variable capacitors, well designed electrically and mechanically, and intended to stand up to continuous usage under all reasonable conditions. The types include single-section, split-stator, butterfly and differential capacitors, all with a substantially straight line capacitance law.

In every case, insulation is ceramic. The vanes are brass, jig assembled and hard soldered. Thrust washers are beryllium-copper or phosphor bronze. All metal parts are heavily silver plated. Can be supplied if required with finish to meet RCS 141, Issue 2. In this form, components are approved by R.C.S.C., Humidity Class H1, Temperature Category 40/100.

Proof voltage figures are RMS, at 50 cycles, for one minute. The highest minimum and lowest maximum values of capacitance are given.

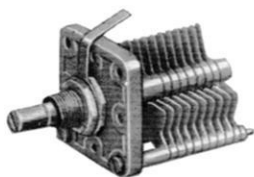
### CERAMIC MICRODENSERS ON $1\frac{5}{16}$ " END-PLATE

A wide selection of types and values, all mounted on a single ceramic end-plate,  $1\frac{5}{16}$ " square. Single hole mounting, except Cat. No. 581, which is two-hole.



Cat. No. 583

Cat. No. 587

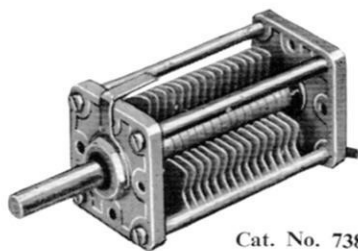


Cat. No. 589

Dimensions referred to are:—"A" depth of Capacitor from panel face to rear extremity.  
"B" spindle length from panel face.

Cat. No.	Type	Capacitance (pF.)		Proof Voltage	Air Gap (Ins.)	No. of Vanes		Net Weight (ozs.)	Dimensions (Ins.)	
		Min.	Max.			Rotor	Stator		A	B
476	180° Split-Stator	per section 3-25 Series gap 2	15 7.5	900 1,750	.020 .020	2 per section	2 per section	2.10	$1\frac{7}{16}$	$\frac{1}{8}$
580	Single Section	4	13.5	2,300	.062	4	4	1.94	$1\frac{7}{16}$	$\frac{1}{8}$
581	Single Section	4	63	780	.020	8	7	2.15	$1\frac{1}{2}$	—
582	Single Section	4	63	950	.020	8	7	2.29	$1\frac{7}{16}$	$\frac{1}{8}$
583	180° Split-Stator	per section 4 Series gap 3	23 12	820 1,600	.020	3 per section	3 per section	2.43	$1\frac{7}{16}$	$\frac{1}{8}$
584	Butterfly	per section 7 Series gap 4	32 18	970 1,740	.020	8	7 per section	2.50	$1\frac{7}{16}$	$\frac{1}{8}$
585	Single Section	4.5	91	780	.015	11	10	2.28	$1\frac{9}{16}$	$\frac{1}{8}$
586	Single Section	5	140	600	.015	16	15	3.05	$1\frac{1}{2}$	$\frac{1}{8}$
587	Butterfly	6	16	1,740 3,300	.052	8	7 per section	2.78	$1\frac{1}{2}$	$\frac{1}{8}$
588	Single Section	5	27.5	1,850	.052	8	7	2.38	$1\frac{1}{2}$	$\frac{1}{8}$
589	Single Section	5	60	1,000	.030	11	10	2.62	$1\frac{1}{2}$	$\frac{1}{8}$
739	Butterfly	per section 4-25 Series gap —	10 —	2,000 3,700	.052	5	4 per section	2.27	$1\frac{9}{16}$	$\frac{1}{8}$

NOTES:—PROOF VOLTAGE IS RMS AT 50 CYCLES FOR ONE MINUTE. THE HIGHEST MINIMUM AND LOWEST MAXIMUM VALUES OF CAPACITANCE ARE GIVEN.

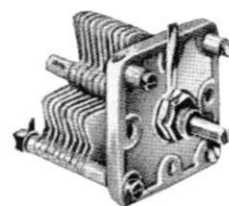


Cat. No. 738

### HIGH STABILITY TYPE, ON $1\frac{5}{16}$ " END-PLATES

This pattern, Cat. No. 738, has double end-plates,  $1\frac{5}{16}$ " square, and double bearings, making it particularly suitable for high stability oscillator applications. Single section type, silver-plated finish.

Max. Capacity: 93 pF.      Min. Capacity: 8 pF.  
Air Gap: .03".      Proof Voltage: 1200.  
Net Weight: 4.75 ozs. (-134 kg).



Cat. No. 817

### TRANSMITTING VARIABLE CONDENSER

For low power transmitting applications. Single section, 10 pF minimum, 270 pF maximum capacitance, mounted on single 2" square ceramic plate. Air gap .024", proof voltage 1100 RMS. Net weight 8.25 ozs. Depth to rear from face of plate  $2\frac{1}{16}$ ", spindle length from plate  $\frac{3}{16}$ ". Silver-plated finish.

## FLEXIBLE COUPLERS



50



529

A range of well-made flexible couplers for use in radio and electronic equipment, to facilitate the mounting of variable capacitors and other components. Also useful where it is necessary to provide a high degree of insulation between a component and a panel control. Insulating material is white plastic, except in the case of the Cat. No. 893, which utilises Nylon-loaded Bakelite. This latter coupler also has hub walls of greater thickness than the Cat. No. 529, which is otherwise of similar dimensions. The spring arms are of phosphor-bronze, or beryllium-copper, with a nickel-plated finish. The design ensures complete flexibility and freedom from backlash. The Cat. No. 550 coupler is for use with miniature components and accepts a spindle  $\frac{5}{32}$ " diameter. The others accept standard  $\frac{1}{4}$ " diameter spindles.

Cat. No.	Diameter	Width	Hub
50	$1\frac{1}{2}$ "	$\frac{15}{16}$ "	$\frac{1}{2}$ " dia.
529	$1\frac{1}{8}$ "	$\frac{7}{8}$ "	$\frac{3}{8}$ " dia.
893	$1\frac{1}{8}$ "	$\frac{7}{8}$ "	$\frac{1}{2}$ " dia.
550	$\frac{11}{16}$ "	$\frac{5}{8}$ "	$\frac{1}{4}$ " dia.

## VALVE TOP CAP CONNECTORS



Cat. No. 563

Designed for use with high voltage rectifier and output valves. The metal parts are shrouded in a red Bakelite moulding, the cable lead passing through the top. Available in three sizes to fit the more common top caps.

- Cat. No. 562 Fits 9 mm. diameter top cap.
- Cat. No. 563 Fits  $\frac{9}{16}$ " diameter top cap.
- Cat. No. 891 Fits  $\frac{1}{4}$ " diameter top cap.

## R.F. CHOKES



Cat. No. 1022



Cat. No. 1011

A range of radio frequency chokes for use in transmitting and receiving equipment. Each choke is wound on a  $\frac{1}{4}$ " diameter former having moulded-in wire end connections. A sound anchorage is thus provided for the ends of the winding and disturbance of the junction does not occur when mounting the choke. Normal finish is wax coating.

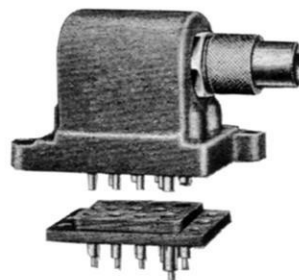
### 50 mA Types

- Cat. No. 1010 1.25 millihenries, 4 sections, 20 ohms.
- Cat. No. 1011 5.3 microhenries, single layer, 1.3 ohms.

### 250 mA Type

- Cat. No. 1022 1.5 millihenries, 5 sections, 10.5 ohms.

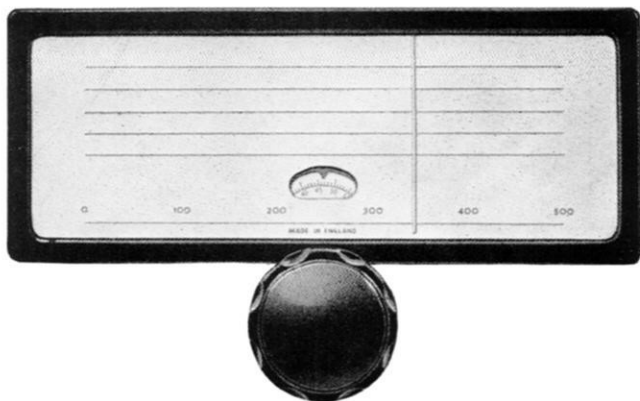
## PLUG AND SOCKET CONNECTOR



Cat. No. 534

Ten-way plug with screening cover is Cat. No. 534; socket to match Cat. No. 535. Two heavy-duty contacts with high current rating and eight lighter but substantial contacts. Cover is diecast, finished wrinkle grey and can be fitted to either plug or socket. Bakelite insulation. Gland to take screened cable.

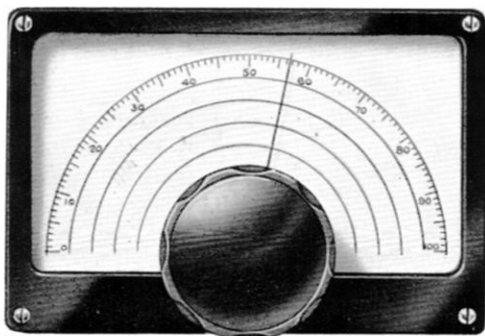
## DRIVES AND DIALS



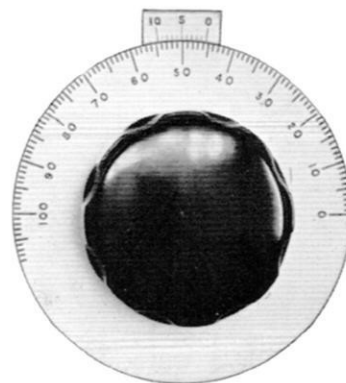
**G geared Slow-motion Drive Assembly Cat. No. 898.** A high grade assembly designed for instrument applications. The movement is gear-driven and flywheel loaded, giving a smooth, positive drive, with a reduction ratio of 110 to 1.

The pointer has a horizontal travel of 7 inches. A circular vernier scale, marked over 100 divisions, rotates five times for one traverse of the pointer, and, read with the "100" scale on the dial, provides a total of 500 divisions.

A diecast escutcheon, finished glossy black, is supplied and the assembly is complete with perspex window, knob, fixing screws, and mounting template. Overall external dimensions are  $9\frac{1}{16}$ " (23.34 cms.) by  $5\frac{3}{8}$ " (14.6 cms.). Weight is approximately 1 lb 14 ozs. (.85 kilogrammes).



**Full Vision Dial Cat. No. 598** The epicyclic, ball-bearing drive mechanism is of improved design and has a reduction ratio of approximately 10 to 1. The movement is smooth and free from backlash. The dial escutcheon measures 6" long by  $4\frac{1}{8}$ " wide plus a  $\frac{3}{16}$ " lip. The scale is marked 0—100 over 180°, and is 5" across. A large fluted instrument knob is fitted. Ripple black finish.



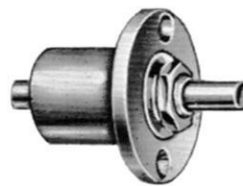
Cat. No. 843

**Vernier Slow Motion Dial Cat. No. 843** Anodised satin finished hard aluminium dial, 4" diameter, with scale having 100 divisions marked over 180°. Markings are in black and a vernier strip, finished to match, is provided. The driving head is of an improved ball-bearing epicyclic type totally enclosed, and giving a reduction ratio of approximately 10 to 1. Physical details are: mounting hole  $\frac{1}{8}$ " clearance with two 4BA holes on  $1\frac{1}{8}$ " pitch circle; spindle projection at rear  $\frac{1}{4}$ " diameter by  $\frac{1}{4}$ " long; projection in front of panel  $1\frac{7}{32}$ ", rear  $1\frac{9}{32}$ ".



Cat. No. 842

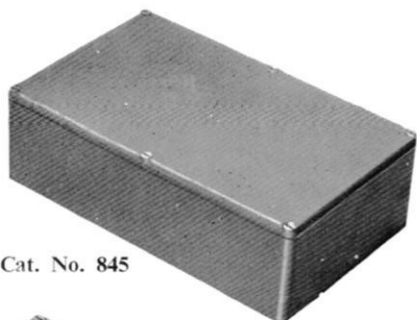
**Pointer Knob and Dial Cat. No. 842** Satin finished aluminium dial,  $1\frac{1}{4}$ " diameter, marked in ten main divisions (reading 0 to 10 clockwise) and a further ten subdivisions, over an arc of 265 degrees. Centre hole is  $\frac{3}{8}$ " diameter to enable dial to be fixed beneath panel locking nut. The knob is the Cat. No. 841.



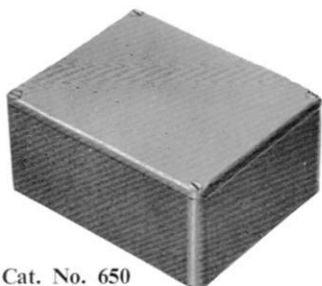
Cat. No. 892

**Epicyclic Ball-bearing Driving Head Cat. No. 892** Bush threaded and fitted with dial plate lock-nut.  $\frac{1}{4}$ " diameter spindles. Diameter of hub  $\frac{1}{8}$ ", overall length 2". Control spindle is hardened, ground and polished. Fixes with two 4BA countersunk head screws.

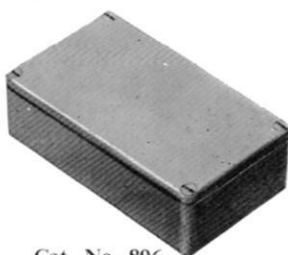
## DIECAST BOXES



Cat. No. 845



Cat. No. 650



Cat. No. 896



Cat. No. 903

Strong metal boxes invaluable for many purposes and having numerous applications in the construction of electronic, radio and electrical apparatus. Very good electrical screening results with the thick walls (average thickness  $\frac{3}{16}$ "), aided by the close fitting flanged lid. Mechanical protection is afforded to components fitted inside the box, which lends itself well, as one example, to a transistorised instrument.

Since any one method of fixing the box to other equipment is unlikely to suit all users, attachment is left to individual choice. The boxes are supplied in natural metal, the surface readily taking cellulose or other paint.

Five patterns are available with the dimensions given below. Cat. Nos: 896, 650 and 845 are cast in Mazak alloy (B.S. 1004A Mazak 3) and the other two — Cat. Nos: 903 and 6827P — in aluminium alloy (LM-2, B.S. 1490). It will be noted that the dimensions of the Cat. No. 845 and 6827P boxes are identical, the difference in these two types being in the metal, which also affects the weight.

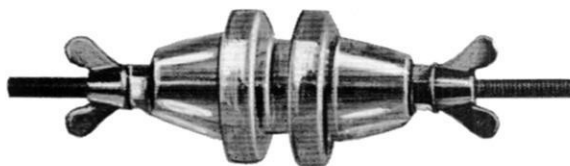
Approximate internal dimensions:—

- Cat. No. 896  $4\frac{1}{2}'' \times 2\frac{1}{4}'' \times 1''$  Weight 11½ ozs.
- Cat. No. 650  $4\frac{1}{2}'' \times 3\frac{1}{2}'' \times 2''$  Weight 18 ozs.
- Cat. No. 845  $7\frac{1}{4}'' \times 4\frac{1}{2}'' \times 2''$  Weight 32 ozs.
- Cat. No. 6827P  $7\frac{1}{4}'' \times 4\frac{1}{2}'' \times 2''$  Weight 16 ozs.
- Cat. No. 903  $7\frac{1}{4}'' \times 4\frac{1}{2}'' \times 3''$  Weight 21 ozs.

## INSULATORS



Cat. No. 916 Porcelain stand-off type, with working voltage up to 8.5 KV. Metal parts are 2BA plated brass. Height  $2\frac{3}{16}''$ , base diameter  $2\frac{1}{8}''$ .



Cat. No. 794 Lead-through type with  $1\frac{1}{8}''$  diam. hard glass insulating cones. Mounting hole  $1\frac{1}{8}''$  diam. Plated brass rod  $6\frac{1}{2}''$  long. Working voltage 10 KV.

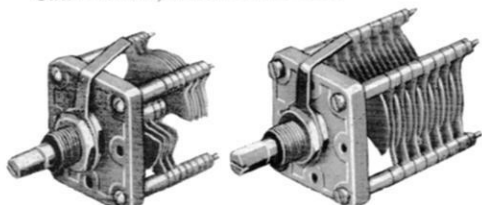


Cat. No. 695 Small lead-through insulator made of Frequelex material. Metal parts 4BA, tinned. Length  $1\frac{1}{4}''$ , diameter  $\frac{3}{16}''$ . Working voltage 4 KV.

Cat. No. 1019 Small frequentite stand-off type; working voltage 4 KV; metal parts 4BA; height  $1\frac{1}{16}''$ ; base  $\frac{1}{16}'' \times \frac{1}{2}''$ .



mounted on a single ceramic end-plate,  $1\frac{5}{16}''$  square. Single hole mounting, except Cat. No. 581, which is two-hole.



Cat. No.	Type	(pF.)		Proof Voltage	Gap (Ins.)	No. of Vanes		Weight (ozs.)	Dimensions	
		Min.	Max.			Rotor	Stator		A	B
476	180° Split-Stator	per section 3-25 Series gap 2	15 7.5	900 1,750	.020 .020	2 per section	2 per section	2.10	$1\frac{1}{16}''$	$\frac{1}{8}''$
580	Single Section	4	13.5	2,300	.062	4	4	1.94	$1\frac{1}{16}''$	$\frac{1}{8}''$
581	Single Section	4	63	780	.020	8	7	2.15	$1\frac{1}{16}''$	—
582	Single Section	4	63	950	.020	8	7	2.29	$1\frac{1}{16}''$	$\frac{1}{8}''$
583	180° Split-Stator	per section 4 Series gap 3	23 12	820 1,600	.020	3 per section	3 per section	2.43	$1\frac{1}{16}''$	$\frac{1}{8}''$

## INSTRUMENT KNOBS



Cat. No. 591



Cat. No. 592



Cat. No. 1076



Cat. No. 1089

A range of knobs in various sizes, moulded in black Bakelite with a highly polished finish. All have brass inserts and accept standard  $\frac{1}{4}$ " diameter spindles. Hardened grub screw fixing. All except Cat. Nos. 1076 and 1089 have recesses to cover panel nuts.

- Cat. No. 591 Fluted knob, diameter  $2\frac{1}{8}$ ", overall depth  $\frac{1}{16}$ ".  
 Cat. No. 592 Fluted knob, diameter  $1\frac{5}{16}$ ", overall depth  $\frac{3}{16}$ ".  
 Cat. No. 1076 Fluted knob, diameter  $2\frac{1}{2}$ ", overall depth  $\frac{7}{8}$ ".  
 Cat. No. 1089 Fluted knob, diameter  $1\frac{3}{8}$ ", overall depth  $\frac{9}{16}$ ".  
 Cat. No. 2416 Skirt Knob, diameter  $1\frac{1}{4}$ ", overall depth  $\frac{3}{16}$ ". White indicating line.  
 Cat. No. 895 Long, ribbed knob, diameter  $\frac{7}{8}$ ", overall depth  $\frac{3}{16}$ ". Indicating line on one rib.

## POINTER KNOBS

Polished black Bakelite knobs in two sizes, with white indicator lines.



Cat. No. 841

Cat. No. 841 Smooth sides. 6 BA fixing screw trapped in 6 BA nut. Overall length  $1\frac{1}{4}$ ", width  $\frac{3}{4}$ ", depth  $\frac{9}{16}$ ". Indicating radius  $\frac{5}{8}$ ".



Cat. No. 1027

Cat. No. 1027 Recessed to cover panel nut. One 4 BA grub screw. Length  $2\frac{1}{4}$ ", depth  $\frac{9}{16}$ ", indicating radius  $1\frac{1}{8}$ ".

## RACK MOUNTING CABINETS



Two major items — the rack assembly and the cabinet assembly — together make up into a modern type of rack equipment which has numerous applications. Mild steel is used throughout. All parts are rust-proofed and, with the exception of the chassis (which is plated), are finished plain grey stove enamel.

Details are as follows:

**Three-way Equipment Rack Cat. No. 874** comprises two vertical channels, one bottom frame, and two tie bars. It is supplied unassembled, with the necessary nuts and screws. The dimensions are, height  $22\frac{1}{2}$ "; width  $14\frac{3}{4}$ "; depth 8". The vertical channels are drilled to take three cabinets Cat. No. 873, whilst the bottom frame is provided with four holes for bolting down if necessary. **Rack Mounting Cabinet Cat. No. 873** consists of the following items, supplied unassembled:

- |                          |                                                                        |
|--------------------------|------------------------------------------------------------------------|
| 1 Panel (Cat. No. 861)   | 14" wide by $7\frac{1}{2}$ " high.                                     |
| 1 Chassis (Cat. No. 862) | 12" long, $5\frac{5}{8}$ " wide, 2" deep, plus flange $\frac{3}{8}$ ". |
| 2 End Plates.            | 2 Cover Plates.                                                        |
| 1 Back Plate.            | 1 pair Handles (Cat. No. 635).                                         |

EDDYSTONE COMPONENTS AND ACCESSORIES.

RETAIL PRICE LIST.

<u>Cat.No:</u>	<u>Description.</u>	<u>£.</u>	<u>s.</u>	<u>d.</u>	<u>Cat.No:</u>	<u>Description.</u>	<u>£.</u>	<u>s.</u>	<u>d.</u>
<u>ACCESSORIES.</u>					<u>COILS, FORMERS AND BASES.</u>				
731/1.	Doublet Aerial.	3.	3.	3.	537.	Coil Former Plain 6-pin.	2.	8.	
906.	Plinth Speaker.	1.	19.	4.	538.	" " threaded "	3.	4.	
924.	Power Unit.	5.	0.	0.	647.	" " small plain.	2.	0.	
935.	Cabinet Speaker.	2.	2.	0.	648.	" " " threaded.	2.	0.	
938.	Battery Box for EC10.1.	7.	6.		783.	Coil Stand 2-pin.	4.	0.	
	Fixing Plates for EC10 Rx.pr.	12.	0.		707.	4-pin Base (for 706 Coils)	2.	6.	
LP.2924.	Telephone Headset.	4.	6.	6.	847.	Polystyrene Former.	1.	3.	
LP.2921.	High Quality Telephone Headset.	8.	5.	0.	864.	Choke Former 2½"	1.	3.	
902.	Edometer.	19.	10.	0.	866.	" " 1"	1.	0.	
					867.	" " 1"	1.	4.	
<u>TRANSMITTING &amp; MICRODENSERS.</u>					<u>R.F. CHOKES.</u>				
817.	Single section 250pF.	4.	6.		1010.	1.25 mH. 50 mA.	3.	0.	
476.	Split stator 15x15pF.	12.	0.		1011.	5.3 uH. 50 mA.	2.	8.	
580.	Single section 12.5pF.	8.	0.		1022.	1.5 mH. 250 mA.	4.	0.	
581.	Single section 60pF.	8.	4.		<u>RACK EQUIPMENT.</u>				
582.	Single section 60pF.	12.	0.		873.	Rack Mounting Cabinet.	3.	0.	0.
583.	Split stator 25x25pF.	12.	0.		874.	3-tier Equipment Rack.	2.	6.	8.
584.	Butterfly 34 x 34pF.	13.	4.		862.	Spare Chassis.	8.	8.	
585.	Single section 100pF.	12.	0.		<u>COUPLERS.</u>				
586.	Single section 140pF.	16.	0.		50.	Flexible Coupler, Large.	3.	4.	
587.	Butterfly 15 x 15pF.	16.	0.		550.	" " small.	3.	8.	
588.	Single section 27.5pF.	11.	4.		893.	" " Nylon.	3.	4.	
589.	Single section 54pF.	11.	4.		<u>VALVE CAPS.</u>				
738.	Single section 100pF.	4.	0.		563.	Valve Caps. 9/16" (large)	1.	4.	
739.	Butterfly 8 x 8pF.	13.	4.		891.	" " ¼" (medium)	1.	4.	
<u>KNOBS, DIALS AND SCALES.</u>					<u>DIECAST BOXES.</u>				
591.	Instrument Knob 2½" dia.	2.	7.		650.	4½ x 3½ x 2" (inside)	10.	0.	
592.	Instrument Knob 1½" dia.	1.	11.		845.	7¼ x 4½ x 2" (dimen-	17.	0.	
598.	Full Vision Dial.	1.	17.	6.	896.	4¼ x 2¼ x 1" sions)	7.	0.	
841.	Pointer Knob 1¼" long.	1.	3.		<u>ALUMINIUM DIECAST BOXES.</u>				
842.	Knob (841) and Dial.				903.	7¼ x 4½ x 3" (inside)	17.	8.	
	(0-10 over 265°)	2.	0.		6827P.	7¼ x 4½ x 2" (dimen-	17.	0.	
843.	Slow Motion Dial 4" dia.	23.	4.		6908P.	4½ x 3½ x 2" sions)	10.	0.	
846.	Bar Knob 1½" long.	4.	0.		<u>MISCELLANEOUS.</u>				
877.	Wing Knob 1½" across rib.	2.	6.		534.	10 way Plug with cover.	8.	0.	
878.	Min. Skirt Knob 5/32" hole.	3.	0.		535.	10 way Socket.	5.	0.	
892.	S.M. Driving Head.	11.	4.		<u>EDDYSTONE RADIO LTD.,</u>				
895.	Control Knob 7/8" dia.	2.	0.		<u>ALVECHURCH ROAD,</u>				
898.	110/1 Geared S/M Drive.	4.	19.	0.	<u>BIRMINGHAM, 31.</u>				
1027.	Pointer Knob 2.7/32" long.	1.	8.		Telephone - Priory 2231.				
2416P.	Skirt Knob, overall dia 1½"	2.	1.		Telex - 33708.				
1076.	Fluted Knob 2½" dia.	4.	8.		zo 12 65				
1089.	Fluted Knob 1½" dia.	2.	8.						
<u>TRANSFORMERS.</u>									
853.	IF Transformer 5.2 Mc/s.	8.	0.						
854.	Disc. Transformer. 5.2Mc/s.	10.	0.						
855.	BFO Unit 5.2 Mc/s.	8.	0.						
856.	IF Transformer 10.7Mc/s.	8.	0.						
857.	Disc. Transformer. 10.7Mc/s.	10.	0.						
<u>INSULATORS.</u>									
695.	Ceramic Lead through.	1.	4.						
794.	Glass Lead through.	7.	4.						
916.	Stand-off Insulator.	1.	11.						
1019.	Min.S.O. Insulator.		11.						