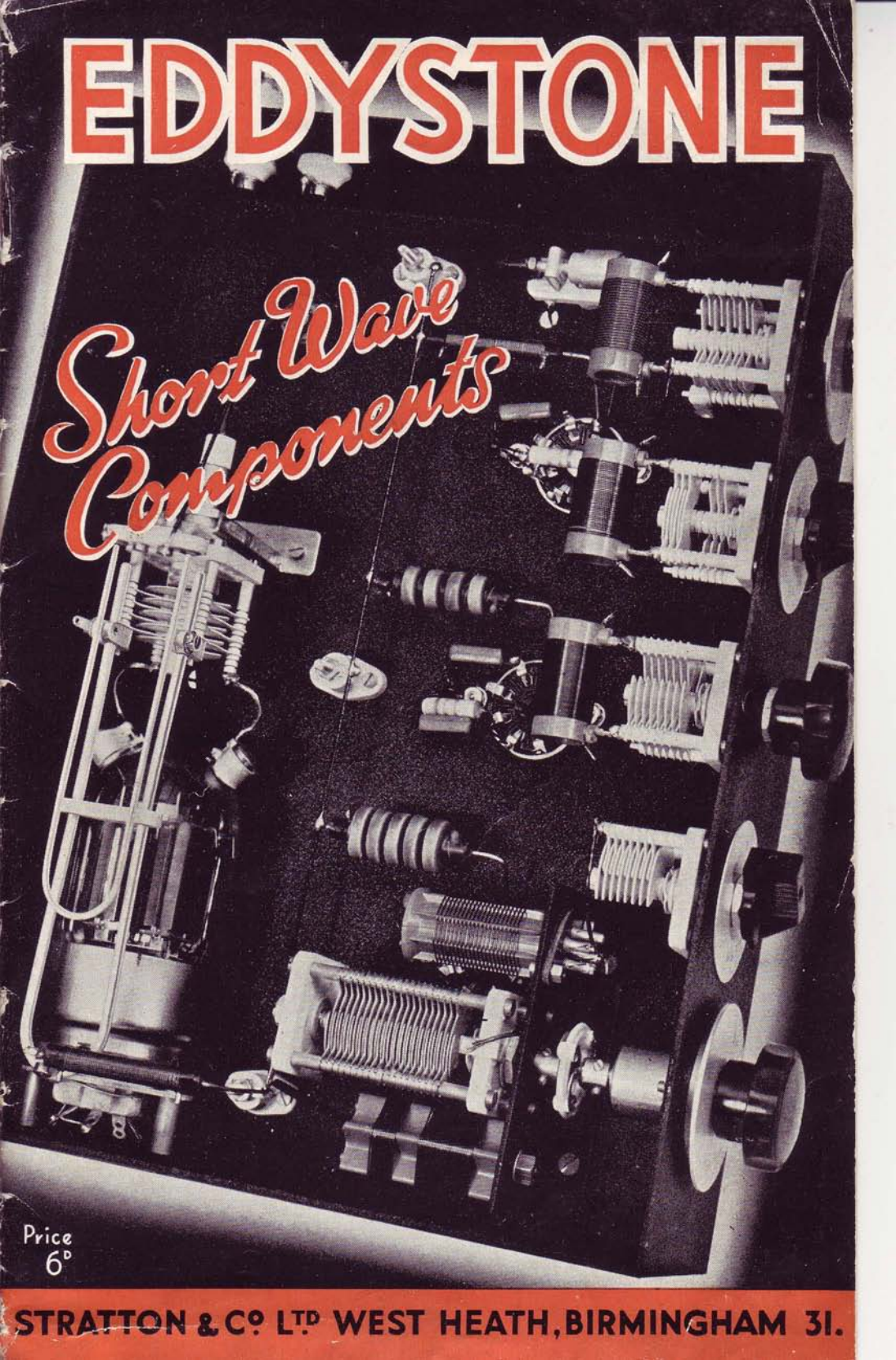


EDDYSTONE



Short Wave Components

Price
6^d

STRATTON & CO LTD WEST HEATH, BIRMINGHAM 31.

ERRATA

Page 8	Cat. No. 580	Price should read	6/-
	Cat. No. 582	" " "	7/-
	Cat. No. 581	" " "	6/6
Page 9	Cat. No. 739	" " "	7/-
Page 13	Cat. No. 1090	" " "	7/6
Cover Page 4	Cat. No. 649	" " "	1/-

In this Catalogue will be found details of "Eddystone" short wave components and accessories. Post-war development has enabled us to increase the range and versatility of "Eddystone" products, and they now have an even greater appeal to radio amateurs, short wave experimenters, professional radio engineers, research workers and manufacturers of electronic equipment.

The world-wide reputation for high electrical efficiency and sound mechanical construction, possessed by all "Eddystone" products, is well maintained in the various new items introduced into this Catalogue.

We are manufacturers of specialised short wave receivers, and the popular "Eddystone" "640" Communications Receiver is already well-known. There is also the new "680" Communications Receiver, incorporating many refinements, making it eminently suitable for professional and commercial use. The "659" is an Overseas model short wave broadcast receiver. The "670" Marine receiver is of the universal AC/DC 110/230 volt type, specially developed for use on board ship, but also applicable to land use, particularly where there are a variety of mains supplies. All "Eddystone" receivers are suitable for tropical service and full particulars are available on request.

"Eddystone" products are obtainable only from selected registered dealers, and we shall be happy to advise you of the address of your nearest registered dealers, in cases where this is not known. Direct enquiries are welcomed from manufacturers and overseas buyers and will receive prompt and courteous attention.

STRATTON & CO. LTD.

Eddystone Works, West Heath, Birmingham, 31.

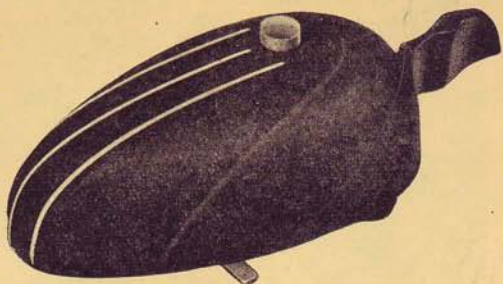
Telephone : Priory 2231

Cables : Stratnoid, B'ham.

EDDYSTONE

Semi-Automatic Morse Key

This key, of really modern design, is totally enclosed in a streamlined diecast housing, which is finished a fine ripple black with chrome relief. The movement has received special attention and is a fine example of first class light engineering. Words cannot do justice to the beautiful action, you must try the key for yourself to appreciate it. It is fully adjustable to enable any operator to make full use of the wide range of speeds provided. The handle has been designed to give equal facility to right or left handed operators. A short circuiting switch is fitted to the base, which is a heavy diecasting provided with rubber feet and with holes for screwing down. **Cat. No. 689** £3/17/6



Modulation Level Indicator

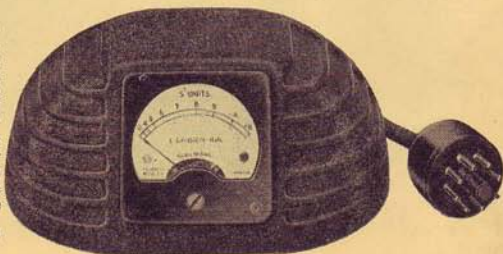
The circuit employs two germanium crystal rectifiers. The small pick-up aerial provided plugs into a socket on top and a socket takes a coil for the particular frequency band in use. No external connections are necessary. In use the R.F. pick up is adjusted until the meter reading coincides with a special mark on the scale. On switching over, modulation percentages can be read off instantly



against the directly calibrated scale. In addition, the instrument may be used as a 'phone monitor, a telephone jack being provided at the rear for this purpose. The meter itself is very sensitive (200 microamp. full scale deflection) which permits the instrument to be used as a field strength meter. It will assist materially in such experiments as lining up a beam aerial, determining radiation patterns, effect of variation of coupling and matching systems, etc. The calibration holds good over the whole range of amateur bands, up to 28 Mc/s. In neat diecast housing, finished ripple black. **Cat. No. 678.** £8/15/0

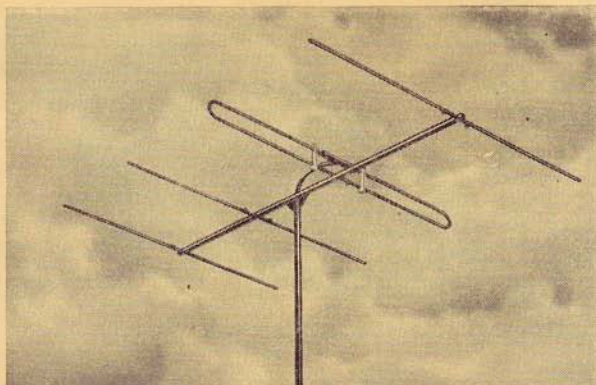
Signal Strength Meter

This "S" Meter is ideal for use with the "640" Receiver. It is contained in a neat diecast housing, finished a fine ripple black. The necessary resistors, including the zero adjuster, are fitted inside. The meter, which has a 200 microampere full scale deflection, is calibrated in "S" units and decibels above S9, on the basis of a 4db increase in carrier strength for each "S" point. The leads terminate in an octal plug, which, in the case of the "640" permits direct connection to the socket on the rear of the Receiver. **Cat. No. 669.** £5/5/0



EDDYSTONE

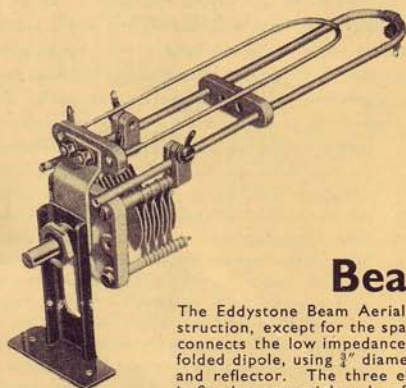
145 Mc/s. Beam Aerial Kit



A compact and efficient Four-element Beam Aerial of all brass construction. Centre element is a folded dipole fitted with a special insulator assembly to take 72 ohm co-axial feeder. The element lengths are adjustable. Supplied in dismantled form, with full instructions for assembly.

Cat. No. 717. £6/5/0

145 Mc/s. Tuning Assembly

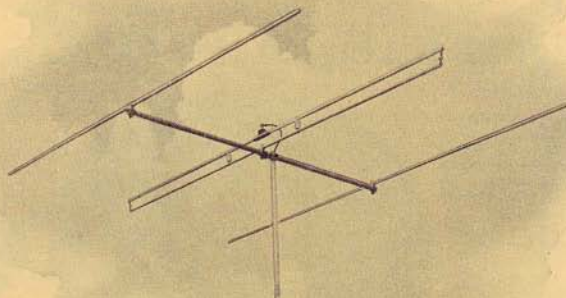


Main inductance loop of $\frac{1}{4}$ " copper clamped to the stators of the Cat. No. 739 condenser. Length in circuit is adjustable and tapping clip is provided. Above main loop is fitted a hairpin coupling loop supported on ceramic strip. Whole is silver plated and lacquered and fitted to a Cat. No. 708 bracket. Alternative mountings possible. Can be used in receivers, transmitters, wavemeters, oscillators, etc.

Cat. No. 709. 17/6

Beam Aerial Kit

The Eddystone Beam Aerial is a first-class engineering job, of all metal construction, except for the spacing insulators and the centre insulator, to which connects the low impedance (70 ohms approx.) feeder. The centre element is a folded dipole, using $\frac{3}{8}$ " diameter hiduminium tubing, used also for the director and reflector. The three elements are fixed to a $1\frac{1}{2}$ " diameter boom, which is fixed to an upright tube of similar size. This tube may be clamped to a mast or fitted to suitable rotating mechanism.



The clamps are machined aluminium castings, ensuring a strong, rigid, yet light structure. A chart is provided giving details of the correct lengths and spacings for frequencies between 50 and 100 Mc/s. The Beam Aerial is supplied in kit form, for ease of transport. It can be quickly and easily assembled.

Cat. No. 683

£19/10/0

(Feeder cable not included).



Vibrator Power Unit

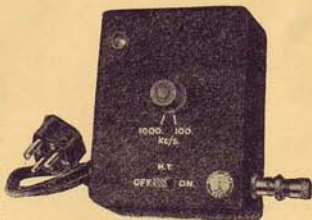


This unit has been designed to permit the operation of a receiver or other equipment (the HT consumption of which is not more than 65 mA) from a 6-volt accumulator. It is very suitable for use with the Eddystone "640" receiver. The unit comprises a transformer, fuse, non-synchronous vibrator, rectifier valve (6X5G) on/off switch, and the necessary filters to prevent R.F. interference. Smoothing is not included, since the choke and condensers fitted in the receiver perform this function. A heavy cable is provided for connection to the battery, and a lead, terminating in an octal plug, for fitting direct to the socket provided on the "640" Receiver. The unit is totally enclosed in a small metal cabinet, finished a smooth ripple black. The consumption from a 6-volt battery is between 5 and 6 amperes, dependent on load.

Cat. No. 687 £7/10/6

Crystal Calibrator

This exceedingly useful instrument has been made as compact as possible, ($4\frac{1}{2}'' \times 3\frac{1}{2}'' \times 3''$ approx.) so that it takes up very little room and can easily be carried around. It operates from 210/230 volt A.C. mains. The circuit uses a miniature valve and has been designed to provide high harmonic output. The harmonics from the 100 Kc/s oscillator are usable up to 30 Mc/s and those from the 1000 Kc/s oscillator up to 60 Mc/s. Two separate vacuum mounted crystals are employed, with a tolerance of 0.01% giving extremely high accuracy. A miniature mains transformer and metal rectifier provide H.T. and L.T. power supplies. Two switches are fitted—one for changing over crystal frequency, the other to cut off H.T., otherwise leaving the unit ready for instant operation. A red pilot light indicates that the unit is connected to the mains. With the output lead placed near the receiver aerial terminal, there will be sufficient pick-up of the crystal harmonics for normal purposes. Direct connection may be made when using the higher frequencies, aligning a receiver or other special purposes. The unit is housed in a diecast metal box, finished a fine ripple black.



Cat. No. 690 £12/0/0

Medium Loud Speakers



This efficient speaker consists of a 5" permanent magnet unit mounted in a diecast housing 7" in diameter. A special acoustic baffle is fitted which gives exceptional performance. This speaker is very useful as an extension speaker. Impedance 3 ohms. Complete with lead. Ripple finish with chromium feet.

Cat. No. 688 (Black) £2/17/6

Cat. No. 697 (Brown) £2/17/6

Cat. No. 698 (Grey) £2/17/6

As above but smaller—a rather unique speaker. It is 5" diameter overall with a surprisingly powerful permanent magnet unit $3\frac{1}{2}''$ diameter. Ideal for communication receivers.

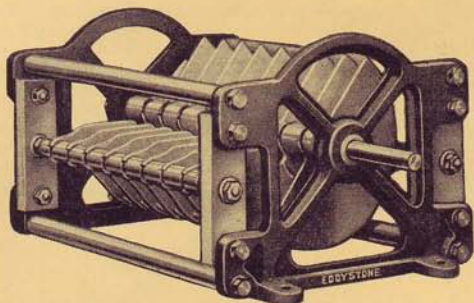
Cat. No. 652 (Black or Grey) £1/17/6



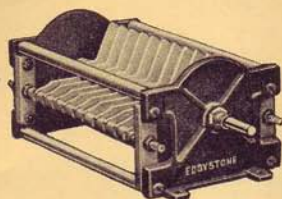
EDDYSTONE

Transmitting Condensers

with Diecast End Plates



Type 532



Type 137

These condensers are robustly constructed with diecast aluminium end plates and frequentite insulating blocks. The heavily silver plated brass vanes are polished and soldered to the supporting bars. The dimensions given do not include the spindle.

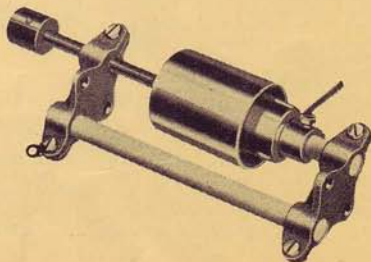
Split stator. 60pF per section maximum capacity (30pF overall). Air gap 0.068", flashover voltage 2000 R.M.S. $4\frac{3}{8}$ " long, $3\frac{5}{8}$ " wide, $2\frac{3}{4}$ " high.

Cat. No. 137 £1/12/0

Single section, for use in high power transmitters and industrial equipment. 150pF maximum capacity. Air gap 0.42", flashover voltage 9000 R.M.S. $12\frac{1}{4}$ " long, $8\frac{1}{4}$ " wide, $6\frac{1}{2}$ " high.

Cat. No. 532 £15/10/0

H.D. Neutralising Condenser



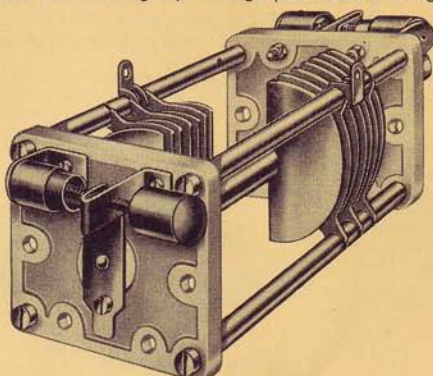
Heavy duty neutralising condenser, for use with medium power triode P.A. stages. Ceramic insulation. Linear variation from 2 to 12 pF. Breakdown voltage 4500 R.M.S. Overall height (at minimum capacity) $7\frac{1}{4}$ ".

Cat. No. 699 £1/7/6



Transmitting Condensers

The condensers listed below are of identical construction, only the length varying according to the capacity value. Ceramic end plates, $2\frac{1}{2}$ " square, are employed, and the amount of metal is a minimum consistent with rigidity. A single point rotor earthing connection is provided, circulatory R.F. currents thereby being prevented. Lugs on the stators permit either the direct fixing of the associated coil or they can be used for connections to stand-off insulators, etc. Alternative contact points are available. The vane spacing is .08" — adequate for high voltages, provided D.C. is removed by the insertion of a blocking condenser between rotor and earth. Metal parts, including spacing pillars, are supplied, for three point chassis fixing. Standard $\frac{1}{8}$ " spindle. Each condenser is of the split stator type, directly applicable to balanced circuits. For aerial tuning and single-ended circuits, one section may be used singly, or both can be connected in parallel. A wide range of working capacities thus becomes available. For example, the Cat. No. 612 is 25 pF maximum overall as split-stator, 50 pF one section, and 100 pF with the stators in parallel. The Cat. No. 611 is fitted with built-in neutralising condensers (one at each end) variable between 1.5 and 7 pF.

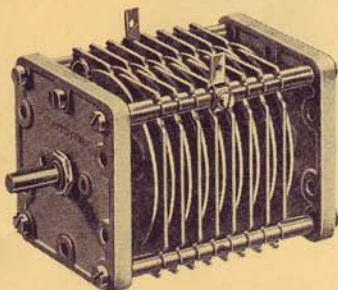


Type 611

Cat. No. 611	25 pF per section with neutralising condensers	...	...	...	...	...	...	...	...	£1/7/6
Cat. No. 612	50 pF per section	...	...	...	...	...	...	...	...	£1/5/-
Cat. No. 614	100 pF per section	...	...	...	...	...	...	...	...	£1/9/-

Of similar construction to Cat. No. 614, but with the stator vanes fitted to give differential operation. Useful for balancing push pull output stages and feeder lines and for aerial coupling and impedance matching purposes. 100 pF per section.

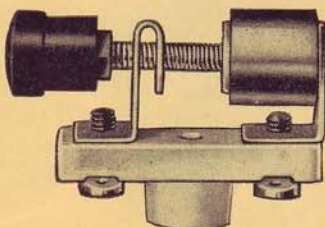
Cat. No. 725	...	...	...	...	...	...	...	...	...	£1/10/0
--------------	-----	-----	-----	-----	-----	-----	-----	-----	-----	---------



Neutralising Condenser

Silver plated brass neutralising condenser on ceramic base. Linear capacity variation 1.5 to 4 pF. Flashover voltage 2000 R.M.S. For chassis mounting with single 4 BA bolt.

Cat. No. 481	...	...	...	...	...	...	...	...	...	3/-
--------------	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----



EDDYSTONE

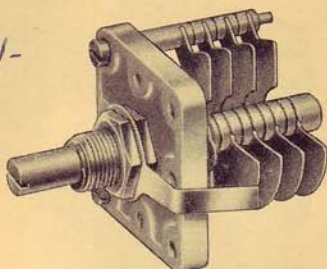
Ceramic Microdensers

The registered name of Microdensers is now applied to the comprehensive range of Condensers using a ceramic end plate $1\frac{3}{8}$ " square.

These Condensers are of sound mechanical and electrical design. All metal parts are heavily silver plated brass, the vanes being soldered to the supporting bars. The spindle is $\frac{1}{8}$ " diameter, extended at the rear (except in Cat. No. 738) for ganging purposes. All except Cat. Nos. 738 and 581 are single $\frac{3}{8}$ " hole mounting.

12.5 pF single section. Double spaced vanes. Equally applicable to transmitters and receivers. Air gap .062".

Cat. No. 580 5/6-



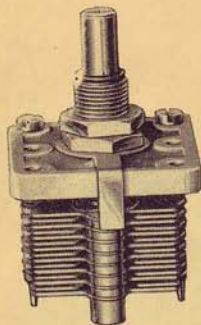
580

27.5 pF single section. Double spaced vanes. Useful for receivers, exciter stages and low power transmission. Air gap .052".

Cat. No. 588 7/3

54 pF single section. Similar to Cat. No. 588 but with a greater number of vanes. Air gap .030".

Cat. No. 589 7/3



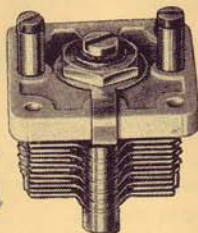
582

60 pF single section. Has many general purpose short wave applications. Air gap .020".

Cat. No. 582 6/4-

60 pF single section, with provision for screwdriver adjustment instead of extended spindle. Mounting pillars supplied. Air gap .020".

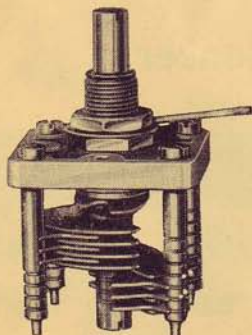
Cat. No. 581 5/6



581

100 pF single section. Numerous applications in receiving and test equipment. Air gap .015".

Cat. No. 585 7/6



583

140 pF single section. Similar to Cat. No. 585 but with additional vanes. Air gap .015".

Cat. No. 586 7/9

15 x 15 pF split-stator. Staggered stator sections. 180° rotation for full variation. Air gap .020". Recommended for VHF applications.

Cat. No. 476 7/3

25 x 25 pF split-stator. Similar to Cat. No. 476 but with additional vanes.

Cat. No. 583 7/6



Ceramic Microdensers

8 x 8 pF butterfly. 90° rotation for full variation. Double spaced vanes. Will withstand high R.F. voltages. As used in Cat. No. 709 145 Mc/s Tuning Assembly illustrated on page 4. Air gap .052".

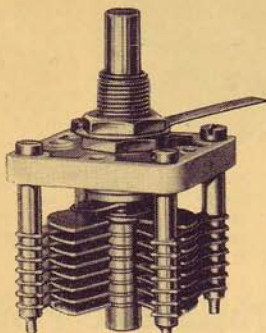
Cat. No. 739 ... 8/-

15 x 15 pF butterfly. Similar to Cat. No. 739 above but with additional vanes. For use in circuits covering frequencies between 50 and 150 Mc/s. Air gap .052".

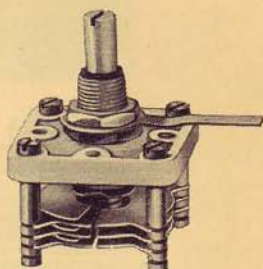
Cat. No. 587 ... 8/-

34 x 34 pF butterfly. A third version of this type, with close spaced vanes, and having a capacity variation suitable for frequencies between 20 and 100 Mc/s. Air gap .020".

Cat. No. 584 ... 7/9



584



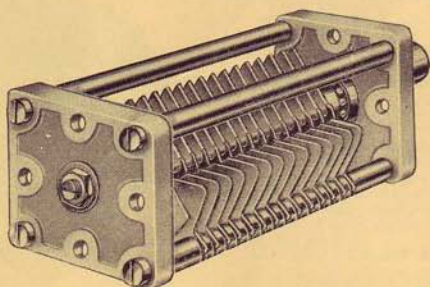
719

25 x 25 pF differential. Ideal for balancing purposes in receivers, filters and low power transmitter stages. Air gap .020".

Cat. No. 719 ... 7/6

100 pF single section. Double end plates and bearings. Possesses high stability and is especially recommended for use in oscillator circuits, test instruments, frequency meters, etc. The .030" air gap permits transmitter applications also.

Cat. No. 738 ... 15/-



738

Clamps for fitting to terminating lugs of Ceramic Microdensers. Enable adjustable inductance loops of heavy gauge ($\frac{1}{8}$ " diameter) wire to be fitted directly to condensers.

Cat. No. 751 ... 1/- pair

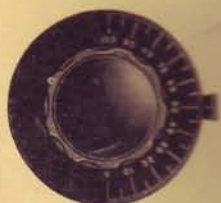
Bandsread Tuning Assembly

Comprising Dial, Coupler and Microdenser

This assembly is excellent for bandsread and fine tuning purposes. It consists of a Cat. No. 580 (12.5 pF) Microdenser, a Cat. No. 529 Flexible Coupler and either the Cat. No. 594 (black) or 637 (silver) Vernier S/M Dial. The Cat. No. 586 Microdenser (140 pF) should be used with this combination for band-setting and general tuning.



Miniature Dial

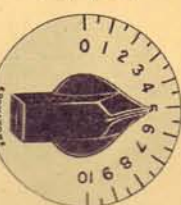


This useful dial of 2" diameter, is engraved 0-100 degrees, and fitted with a fluted instrument knob. It is available either for direct drive, taking a $\frac{1}{8}$ " spindle, or fitted with a precision 10-1 reduction slow motion drive. Two finishes are supplied, matt black or matt silver with contrasting engraving. An index strip is supplied. Fixing is by two 4BA bolts, which are included.

- Cat. No. 595. Direct Drive 2" Dial. Black finish ... 3/9
Cat. No. 638. Direct Drive 2" Dial. Silver finish ... 4/9
Cat. No. 597. Precision Slow Motion 2" Dial. Black finish ... 12/-
Cat. No. 639. Precision Slow Motion 2" Dial. Silver finish ... 15/-

Miniature Pointer Knob & Dial

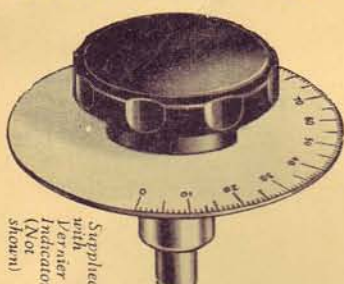
The metal dial is printed in black 0-10 on light background. Diameter $1\frac{1}{2}$ " with $\frac{1}{8}$ " hole. The knob is polished black bakelite and has moulded white indicator line. Length $1\frac{1}{2}$ " hole aperture for $\frac{1}{8}$ " spindles.



- Cat. No. 425 ... 1/-
(Extra Scales 6d.)

Slow Motion Dial

A slow motion dial, of excellent design and finish, fitted with a vernier reading device, and confidently recommended for all applications requiring a high quality dial. The diameter of the scale is $3\frac{1}{2}$ " and a large fluted instrument knob is fitted. The finish is matt silver with black indications. The reduction ratio is 10-1.



Supplied with Vernier Indicator (Not shown)

- Cat. No. 637 ... 17/3

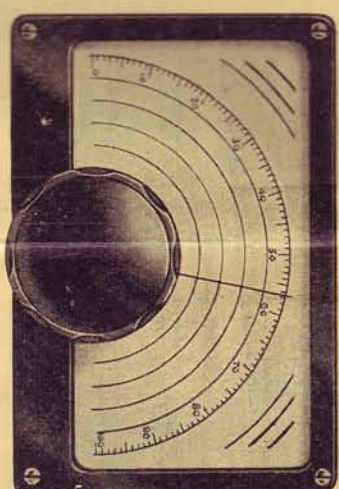
Pre-set Control and Escutcheon



Unfettered black bakelite mouldings suitable for the pre-set tuning of transmitters. The knob is fitted with a hole for $\frac{1}{8}$ " spindles. Its $1\frac{1}{2}$ " diameter and $\frac{1}{2}$ " deep. The escutcheon is fitted flush with the knob to prevent hand manipulation and has two 6BA holes for panel mounting. Diameter $1\frac{1}{2}$ ".

- Cat. No. 590 ... 2/-

Dials and Knobs



FULL VISION DIAL

A most useful dial for all types of receivers, test oscillators and similar equipment. The dial escutcheon measures 6" long by 4 1/4" wide. The scale is 5" across. The outer scale is marked 0-100 degrees and three other scale lines are provided for the user to mark in his own calibrations as desired. Two spare printed scales are supplied with each dial. A large fluted instrument knob is fitted. The drive mechanism has a reduction ratio of 10-1, is free from backlash and has a beautifully smooth movement.

- Cat. No. 598. ... 17/6
Supplied with one Ivorine and two spare paper scales.
(Additional Ivorine scales 1/6 each)

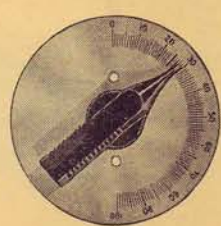
Instrument Knobs

A high grade fluted knob of polished black bakelite, with brass insert for $\frac{1}{8}$ " spindle. Fitted with two grub screws.

- Cat. No. 1076. 2 1/2" diameter ... 2/9
Cat. No. 1089. 1 1/8" diameter ... 1/6

Popular grade fluted knobs. Black bakelite with brass insert for $\frac{1}{8}$ " spindle. The Cat. No. 591, 2 1/2" diameter ... 2/-
Cat. No. 592. 1 1/2" diameter ... 1/3
Cat. No. 593. 1" diameter ... 1/-

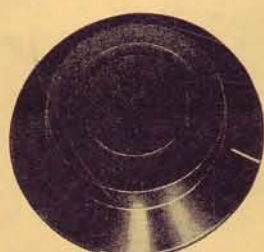
Pointer Knob & Dial



The metal dial is of light finish with a 0-100 scale in black. The diameter is 3 1/2" with a central 1/8" hole and two 6BA clear holes for mounting. The black bakelite knob is 2 1/2" long, has a fluted grip and the tapered point is engraved with a white line. It fits 1/8" spindles.

- Cat. No. 62. ... 1/9
(Extra scales 9d.)

Skirt Knob



Moulded in black bakelite, with a highly polished finish. The overall diameter is 1 1/2", and depth 3/8". The brass insert accepts a 1/8" spindle.

- Cat. No. 2416P ... 1/6

Slow Motion Dial

Slow motion dial fitted with vernier reading device, 3 1/2" diameter scale and large fluted instrument knob. Reduction ratio 10-1. This model is the same type as Cat. No. 637 shown opposite, but the finish is matt black with white fillings.

- Cat. No. 594. ... 15/-

Pointer Knob

Pointer knob, 2 7/32" long, moulded in highly polished black bakelite with indicator line filled white. Made to fit 1/8" diameter spindles and supplied with 4BA grub screw. A recess 3/8" x 3/32" deep provides clearance for panel fixing nuts.

- Cat. No. 1027 ... 1/-

Miniature Pointer Knob



A small but very useful pointer knob. It is of polished black bakelite, 1 1/2" long with a white line engraved at the tip. Fits 1/8" spindles. A recess 3/8" diameter provides clearance for panel fixing nuts.

- Cat. No. 1044. ... 6d.

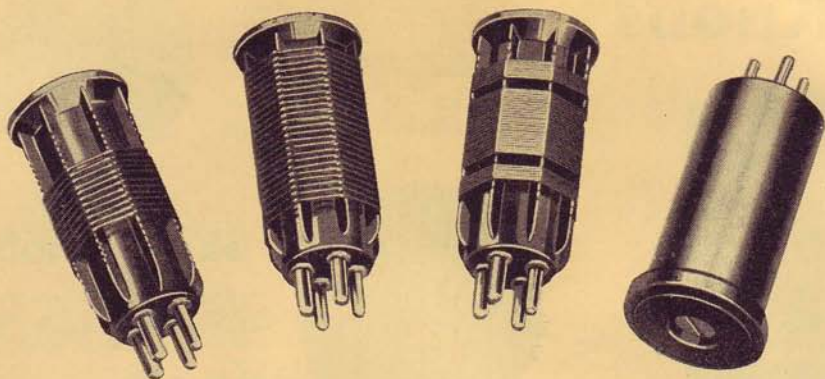


- 1027



EDDYSTONE

Miniature Plug-in Tuning Coils

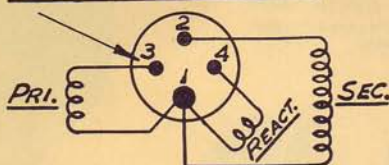


Cat. No. 706. A range of high quality tuning coils, with four pin plug-in bases. The coils are wound to close tolerances and are designed for use with modern valves and circuits. Three windings are provided, the connections being indicated below. The coils are colour-coded for quick and easy identification.

The first three types (Blue, Yellow and Red) are wound on a ribbed moulded former, the inductance being fixed. The four lower frequency types (White, Pink, Green and Brown) are wound on a former fitted with an adjustable dust-iron core, the winding being enclosed in a protecting shield. Movement of the core will affect the inductance value, hence the figures given can only be approximate.

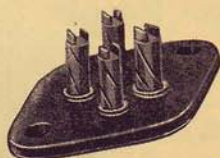
The tuning range stated is obtained with a variable condenser of 140 pF maximum capacity. The Cat. No. 586 (see page 8) is recommended for this purpose.

PIN CONNECTIONS VIEWED FROM FREE END OF PINS.



Coil Type	Frequency Coverage	Inductance Tuned Winding	Price
706/LB Blue	33 — 15 Mc/s.	.65 uH	4/3
706/Y Yellow	16 — 6.7 Mc/s.	3.45 uH	4/3
706/R Red	7.5 — 3.1 Mc/s.	17 uH	4/3
706/W White	3.3 — 1.35 Mc/s.	90 uH	5/3
706/P Pink	1.4 Mc/s. — 720 Kc/s.	300 uH	5/3
706/G Green	750 — 300 Kc/s.	1.65 mH	5/3
706/BR Brown	370 — 150 Kc/s.	6.5 mH	5/3

4-pin Coil Base

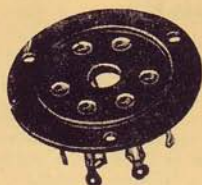


Miniature four pin Socket, of special insulating material, to take the Cat. No. 706 Coils listed above. Ample clearance is afforded with a $\frac{3}{8}$ " hole in the chassis. Two fixing holes ($1\frac{1}{8}$ " apart) to take 6 BA screws.

Cat. No. 707 **Is. 9d.**



Low Loss Coil Base



Chassis mounting coil socket for use with Cat. Nos. 537 and 538 formers. DL9 insulation with three fixing holes. A $1\frac{1}{4}$ " diameter hole is required in the chassis.

Cat. No. 964 1/6

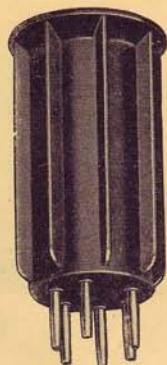
Low Loss 6-pin Coil Formers

THREADED OR PLAIN RIBS.

These 6-pin coil formers are made of DL9 material and have eight ribs, the outside diameter being $1\frac{1}{2}$ ", with a winding length of $2\frac{1}{2}$ ". The threaded formers are cut 14 turns to the inch.

Cat. No. 537. Plain Formers 2/3

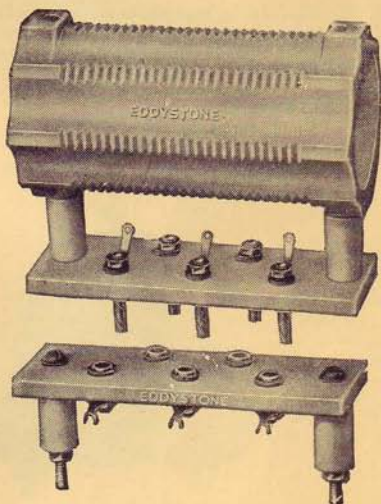
Cat. No. 538. Threaded Formers 2/6



Frequentite Coil Former

Frequentite ceramic former for transmitting and similar apparatus. The former is 5" long by $2\frac{1}{2}$ " diameter, and may be mounted as illustrated or on Frequentite pillars. Spiral grooves take 26 turns of wire, up to 12 S.W.G. 14 holes are provided for leads and coil taps. The former is designed for coils covering 3 Mc/s. upwards.

Cat. No. 1090. 7 1/6



FREQUENTITE SUB-BASE.

The sub-base is in Frequentite ceramic and is easily attached to the former by the two bolts and Frequentite pillars provided. It can be used separately as a base for self-supporting Inductances. Helically slotted power type plugs give positive electrical contact and even fitting to the ceramic is assured by lead washers. Leads are secured by heavy gauge tinned phosphor bronze self-locking soldering tags.

Cat. No. 1091 6/9

FREQUENTITE BASE.

The base is provided with Frequentite pillars for above chassis mounting. Heavy duty power type sockets give sound electrical connection with sub-base and lead washers on each socket ensure even fitting to ceramic. Leads are secured by heavy gauge tinned phosphor bronze self-locking soldering tags.

Cat. No. 1092 6/9



EDDYSTONE

Radio Frequency Chokes



This VHF type choke has the "EDDYSTONE" patented end connection, providing a sound anchorage for the winding, which is not disturbed when using the wire ends for mounting. There is no undesirable metal end cap or shorted loop in the field of the choke. It is single layer space wound on a DL9 former and has an exceedingly low self-capacity. Due to its small size and light weight, it mounts conveniently.

D.C. resistance ...	...	1.3 ohms.
Inductance ...	...	5.6 microhenries.
Working range ...	...	120-25 Mc/s.

Cat. No. 1011 ...

1/6

The "EDDYSTONE" patented low loss end connection as described above is also used in this shortwave R.F. choke. DL9 former is used with four honeycomb wound coils spaced apart. Due to its small size and light weight, the choke mounts easily in the wiring. It has a very low self-capacity and is free from resonant peaks over the wave range covered. It will carry 50 m/A.



D.C. resistance ...	...	22 ohms.
Inductance ...	...	1.25 millihenries
Working range ...	...	60-1.5 Mc/s.

Cat. No. 1010 ...

1/9

Similar in many respects to the Cat. No. 1010 Choke above, but with increased diameter, to give an inductance of 2.5 millihenries, a value recommended for some circuits.

Cat. No. 737 ...

2/3



This transmitting type choke is similar to Cat. No. 1010 described above but has five spaced honeycomb wound coils. Suitable for heavy duty in transmitters. It will carry 250 m/A.

D.C. Resistance ...	...	10.53 ohms.
Inductance ...	...	1.5 millihenries.
Working Range ...	...	60-1.5 Mc/s.

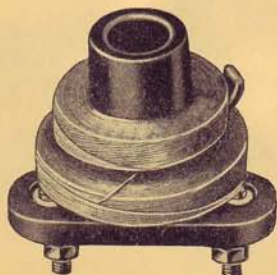
Cat. No. 1022 ...

2/3

An all-wave choke of compact size with terminal connections. Low loss DL9 former with two section honeycomb wound coils. One screw fixing to baseboard or chassis. Wave-range, 24 Mc/s to 150 Kc/s. Self capacity, 2.4 pF. Inductance, 13 millihenries. D.C. resistance, 60 ohms approx.

Cat. No. 1066 ...

3/-

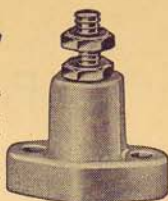


Miniature Stand-off Insulator

A midget insulator made from Frequentite with N.P. brass parts. A useful accessory in the design of ultra short wave receivers and transmitters. The new quality Frequentite closely approaches quartz in its characteristics as a low loss dielectric at high frequencies.

Cat. No. 1019

6d.



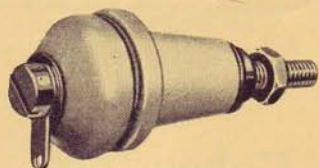
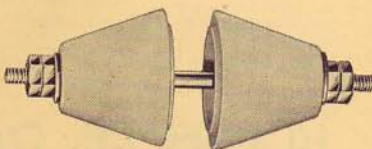
Large Lead-through Insulator

This insulator is designed primarily for carrying high frequency leads through metal chassis with a minimum of loss. The insulator cones are of glazed Frequentite and are flanged at the bottom, to fit into the chassis. A N.P. 2BA brass rod is used as the conductor. Lead washers are supplied to prevent breakage of the cones.

Cones each $1\frac{1}{4}$ " long, $1\frac{3}{8}$ " maximum diameter.

Cat. No. 1018

2/-



Small Lead-through Insulator

Ceramic lead-through insulator of the twin cone bushing type. Fibre washers included. Overall length of 4 BA centre bolt $1\frac{3}{8}$ ". Hole for fixing $5/16$ " clear diameter.

Cat. No. 695

9d.

Moulded Insulator

This moulded insulator will be found extremely useful as "stand-off" insulator, "lead-through" or "terminal post." It is supplied in two colours, red or black. construction is such that neither the insulator portion nor the screw will revolve when wires are attached and tightened. It is made with reversible fittings so that it can be mounted above or "through" the chassis. Each insulator is provided with two 2BA nuts and shake proof washers. They are satisfactory for 2,000 volts working. $1\frac{1}{2}$ " high, $1\frac{1}{4}$ " between fixing screws.

Cat. No. 564. Red

1/6

Cat. No. 565. Black

1 6



Stand-off Insulator

The "EDDYSTONE" Stand-off Insulator will find many uses in the experimenter's and transmitter's laboratory. It is ideal for mounting inductances, meters, spacing inside aerial feeders, and, in fact, for all insulating purposes where high voltages have to be carried. It is made from special quality white vitreous porcelain, glazed finish, with hollow centre. All metal parts being heavily nickel plated.

Cat. No. 916

1/3



EDDYSTONE

I.F. Transformer

This highly efficient 450/465 Kc/s. I.F. Transformer is wound with litz wire and is permeability tuned. The brass case, which measures $1\frac{1}{2}'' \times 2'' \times 2\frac{1}{2}''$ high (above chassis) provides very complete screening. The band width for a pair of transformers in a normal circuit is 5 Kc/s. at 20 db down. Two stages (i.e., three transformers) result in a bandwidth of 5 Kc/s. at 30 db down. Connections are brought out through ceramic bushes and mounting is by means of two 4BA tapped inserts in the base.

Cat. No. 645. 10/6



10 M/cs I.F. Output Transformer

A special I.F. transformer for use with VHF converters. It comprises one tuned winding (with adjustable iron core) and one low impedance output winding. This transformer ensures optimum transfer of energy from the converter to the associated receiver, the latter being tuned to a frequency near 10 Mc/s. Plated brass screening can.

Cat. No. 728 7/6

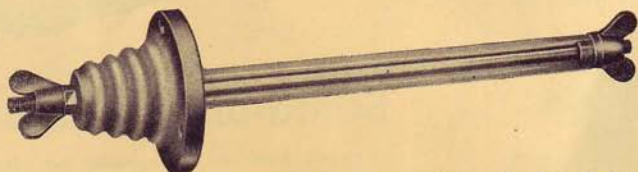


Valve Cap Connectors

These insulated anode connectors have been designed for use with high voltage rectifying valves. The metal part is completely enclosed in a red bakelite shroud. They are made in two sizes, one for medium size top caps and the other for the larger size.

Cat. No. 562. Medium size, to fit $\frac{1}{2}''$ top caps 1/3
Cat. No. 563. Large size, to fit $\frac{3}{8}''$ top cap 1/3

Low Loss Aerial Lead-in



The outside insulator is of special vitreous porcelain which will withstand the weather and has a long leakage path between the metal portion and earth. The tube itself is of $\frac{1}{2}''$ diameter, high tensile strength glass with special electrical qualities. The metal portion is polished and nickel plated and wing nuts are fitted at both ends for general convenience. A special moulded watertight rubber washer fitted inside the cone prevents breakage and allows for errors in mounting.

Cat. No. 946. Length of glass tube behind insulator $5\frac{1}{2}''$ 3/-



EDDYSTONE

17

Flexible Couplers



529



550

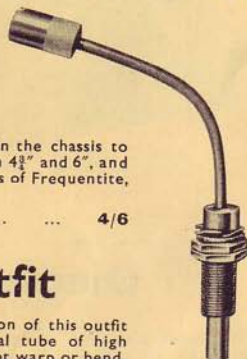
The design of these couplers is such that, although completely flexible, they are free from backlash. The insulating material is white DLI2, which possesses excellent electrical and mechanical properties. The spring metal arms are of phosphor bronze. Facilitates the lining up of coupled components. Three sizes are available, of $1\frac{1}{2}$ ", $1\frac{1}{8}$ ", and $\frac{11}{16}$ " diameter, with overall widths of $\frac{11}{16}$ ", $\frac{7}{8}$ " and $\frac{5}{8}$ " respectively. The first two accept $\frac{1}{4}$ " spindles and the other a $5/32$ " spindle.

Cat. No. 50.	Large Flexible Coupler	...	...	...	...	...	...	...	2/6
Cat. No. 529.	Medium Flexible Coupler	...	...	...	...	...	...	...	2/3
Cat. No. 550.	Small Flexible Coupler	...	...	...	...	...	...	...	2/3

Flexible Driving Shaft

This flexible shaft enables components which are awkwardly situated on the chassis to be controlled from the front panel. The length is adjustable between $4\frac{1}{2}$ " and 6", and the drive is satisfactory through 45 degrees. The insulating portion is of Frequentite, giving $\frac{1}{4}$ " clearance between metal parts.

Cat. No. 530	...	...	...	...	...	...	...	...	4/6
--------------	-----	-----	-----	-----	-----	-----	-----	-----	-----



Extension Control Outfit



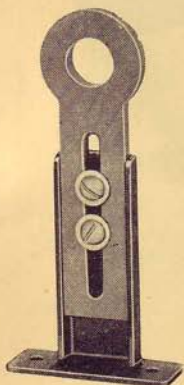
The insulating portion of this outfit is made from special tube of high quality which cannot warp or bend. The length of the insulating part is 4", while the $\frac{1}{4}$ " brass insert is 3" long, giving ample scope for length adjustment. A panel bush and nut are supplied in brass.

Cat. No. 1008	...	...	...	...	...	...	...	...	2/6
---------------	-----	-----	-----	-----	-----	-----	-----	-----	-----

Adjustable Insulated Bracket

A strong bracket for mounting components which are controlled with a flexible coupler, extension spindle, etc. The insulated portion, which is made of DL9 material, is adjustable to give mounting hole centres of from $2\frac{1}{2}$ " to $3\frac{1}{2}$ " above the chassis. The hole size gives $\frac{1}{16}$ " clearance. The metal one-piece slide is finished black and fixes to the chassis by means of two screws.

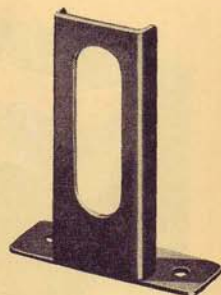
Cat. No. 1007	...	...	...	...	...	...	...	...	2/6
---------------	-----	-----	-----	-----	-----	-----	-----	-----	-----



Metal Bracket

Slotted metal mounting bracket, for use where insulation is not necessary. Enables components to be fitted close to chassis. Height $2\frac{1}{8}$ ". Length of slot $1\frac{1}{8}$ ". Takes $\frac{3}{8}$ " bushes. Glossy black finish.

Cat. No. 708	...	...	...	...	...	...	...	...	1/3
--------------	-----	-----	-----	-----	-----	-----	-----	-----	-----



EDDYSTONE

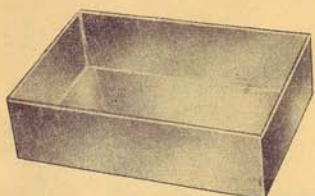
Chromium Plated Handles

These polished chromium plated handles give a commercial appearance when fitted on the front of any piece of equipment and also serve to protect knobs, dials, etc. The smaller ones, which are 3" between centres, fit the holes provided on the Cat. No. 619/622 panels, but may, of course, be used with other panels. The larger ones are 7½" between centres and are suitable for use with the general purpose cabinet, Cat. No. 609. Both sizes have tapped ends and fix from the rear with the screws provided.

Cat. No. 635. Small Cabinet Handles, complete with fixing screws ... 4/9 pr.
Cat. No. 608. Large Cabinet Handles, complete with fixing screws ... 7/6 pr.



Diecast Aluminium Chassis



These chassis are substantial and rigid. They provide a strong foundation for all kinds of equipment, including receivers, power units, R.F. and A.F. amplifiers, etc. High mechanical and electrical stability is assured.

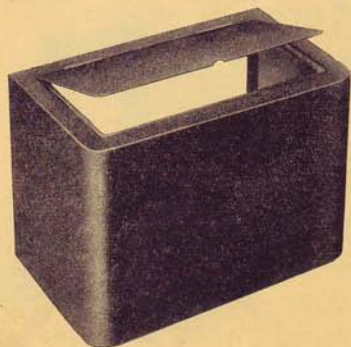
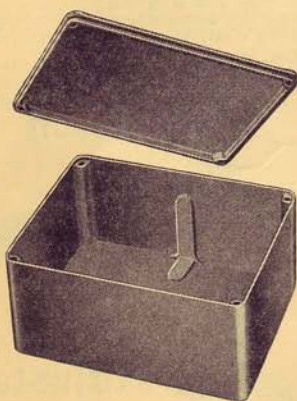
Cat. No. 643. Outside dimensions
8½" x 5½" x 2½" deep ... 8/6

Cat. No. 727. Outside dimensions
12" x 9" x 3" deep ... 18/6

Diecast Box

This small zinc alloy die-cast box measures internally 4½" long, 3½" wide and 2" deep. It is supplied complete with close fitting flanged lid and will be found invaluable for many purposes, including wave meters, screened oscillator, screened pre-amplifier, etc.

Cat. No. 650. ... 6/-



Metal Cabinet

This metal cabinet, of new design, is intended to house the Cat. No. 643 chassis. It is 7" high, has a lid in the top and is handsomely finished in ripple black. The rear of the cabinet is left open.

Cat. No. 644 ... 19/6



EDDYSTONE

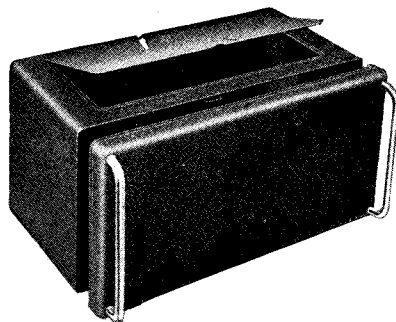
Cabinet Assembly

This cabinet assembly, which measures approximately 16 $\frac{3}{4}$ " long, 8" wide and 8 $\frac{1}{2}$ " deep, will assist materially in the construction of receivers, modulators, etc., having a really good finished appearance. The cabinet is fitted with a hinged lid and ventilating louvres and, with its associated front panel, is finished a pleasing ripple black. The chassis (not illustrated), sold separately, measures 16" long, 7 $\frac{1}{2}$ " wide and 2" deep. Two polished handles, Cat. No. 608, also sold separately, add distinction to the appearance.

Cat. No. 609. General Purpose Metal Cabinet and Panel ... 45/-

Cat. No. 641. Chassis for General Purpose Cabinet ... 7/6 pr.

Cat. No. 608. Pair polished Chromium Handles ... 7/6 pr.



Equipment Racks

The complete assembly comprises four uprights, top and bottom frames, top plate, front panels of various depths, side brackets, and the requisite number of chassis. The construction throughout is of mild steel and holes have been punched out in all members so that they clamp together easily by means of $\frac{1}{4}$ " B.S.F. bolts, which can be supplied. The uprights are channelled, to give additional strength, and up to ten chassis may be fitted in any one rack. The panels are finished ripple black and the other parts glossy black.

The dimensions, which conform to international standards, are as follows:—

Chassis ...	17" long, 10" wide, 2" deep.
Panels ...	19" long, 3 $\frac{1}{2}$ ", 7", 8 $\frac{1}{2}$ " or 10 $\frac{1}{2}$ " deep.
Angle Brackets ...	12 $\frac{1}{2}$ " long.
Uprights ...	63" long.

Cat. No. 615.	Pair of Front Vertical Channels ...	17/6 pr.
Cat. No. 642.	Pair of Rear Vertical Channels ...	17/6 pr.
Cat. No. 617.	Standard Chassis ...	8/9
Cat. No. 616.	Pair of Frames (top and bottom) ...	19/- pr.
Cat. No. 636.	Top Plate ...	8/6
Cat. No. 618.	Pair of Angle Brackets ...	8/- pr.
Cat. No. 622.	3 $\frac{1}{2}$ " Panel ...	6/-
Cat. No. 621.	7" Panel ...	7/-
Cat. No. 620.	8 $\frac{1}{2}$ " Panel ...	8/-
Cat. No. 619.	10 $\frac{1}{2}$ " Panel ...	9/6

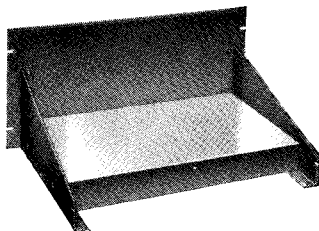
$\frac{1}{4}$ " B.S.F. N.P. Countersunk Bolts and Nuts for Angle Brackets ... 2/6 doz.

$\frac{3}{4}$ " B.S.F. Round Head Bolts and Nuts for other fittings ... 2/6 doz.

We are also able to offer a **half-size rack**, which will be found useful where the full size rack is too large. No top frame or rear channels are necessary with the smaller assembly, which is listed both as a complete combination and separately. The short rack can be easily extended when desired by using a pair of Junction Pieces (Cat. No. 748) and an additional pair of Vertical Channels (Cat. No. 746).

Cat. No. 745.	Bottom Frame ...	9/6
Cat. No. 746.	Pair of Short (31 $\frac{1}{2}$ ") Vertical Channels ...	10/-
Cat. No. 747.	Pair of Tie-bars ...	2/6 pr.
Cat. No. 748.	Pair of Junction Pieces ...	4/6 pr.
Cat. No. 743.	Half-size Equipment Rack. Comprises:— pair of Channels (Cat. No. 746), pair of Tie-bars (Cat. No. 747), Bottom Frame, (Cat. No. 745) and Fixing Bolts. ...	£1 13/3

Illustrating the standard chassis (Cat. No. 617) with Cat. No. 619 Panel and pair of No. 618 Angle Brackets.





Aerial Strain Insulator

A highly efficient insulator for use with high frequency transmitting or receiving aerials. Of Pyrex glass, 3" long.

Cat. No. 966 1/3

Ceramic Strip

Ceramic Strip $1\frac{1}{2}$ " long, with four holes $\frac{1}{8}$ " apart. Provided with spacing pillars, nuts and bolts. Very useful in conjunction with VHF Equipment.

Cat. No. 749 9d.

Bakelite Mouldings

Useful range of small mouldings for home constructors. No. 646 is a plain six ribbed former $1\frac{1}{2}$ " diameter and $1\frac{1}{8}$ " long. No. 647 is $1\frac{1}{2}$ " long $\frac{1}{8}$ " diameter and fitted two double ended soldering tags. No. 648 is the same as No. 647 but is threaded 30 turns to the inch. No. 649 is $1\frac{1}{2}$ " long, fitted five soldering tags and has two 6 B.A. clearance holes for mounting.

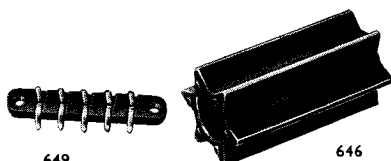
Cat. No. 646. $1\frac{1}{2}$ " Ribbed Coil Former 1/3

Cat. No. 647. Small Plain Coil Former 1/-

Cat. No. 648. Small Threaded Coil 1/-

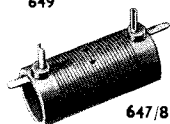
Former

Cat No. 649. 5-way Tag Strip ... 1/6



649

646



647/8

Cat. No. 647/8 formers are designed to mount directly on to the Eddystone Microdensers shown on pages 8, 9.

Tools

Made of black bakelite, for the adjustment of pre-set controls. No. 122T has small steel tip; No. 123T is entirely free of metal and has a specially reinforced tip. No. 125T is for tightening the rings used for securing B9G type Valves (e.g. EF50).

Cat No. 122T. Metal tipped Trimming Tool 1/6

Cat. No. 123T. All insulated Trimming Tool 1/3

Cat. No. 125T. Valve Ring Locking Tool 1/3



122T.



123 T.

10-way Socket and Screened Connector

Particularly useful for inter-connection of power packs, amplifiers, receivers, transmitters, modulators, etc. Two pins are large size to carry heavy L.T. currents and the eight smaller ones can be used for H.T. and grid bias connections, etc. Either the plug or the socket can be fitted to the cover, which is diecast and finished ripple grey. The insulation is DL9. Screened cable can be easily secured to the glands in the cover; extra fittings are available to convert to double entry if required.

Cat. No. 535. Ten-way Socket ... 3/6

Cat. No. 534. Ten-way Plug with cover 5/-

Cat. No. 549. Extra Gland Fittings 1/3 set.

