SERVICE DOCUMENTATIE

THERMION

BATTERIJ ONTVANGER

TYPE 155

MET

NETVOEDING TYPE 255

APP. FABRIEK „THERMION" N.V. LENT HOLLAND

PRINCIPE-SCHEMA

THERMION

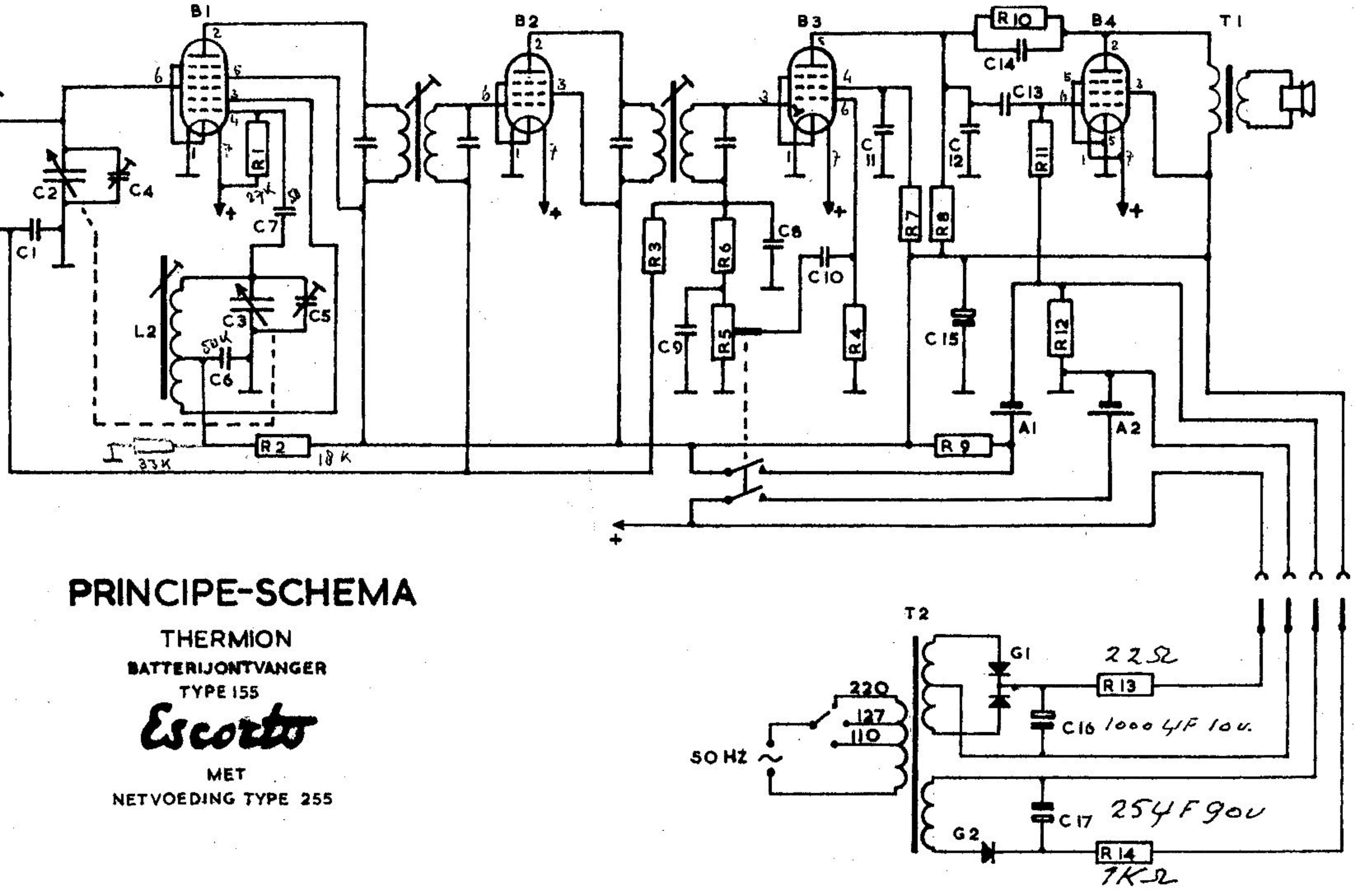
BATTERIJONTVANGER

TYPE 155

Escorto

MET

NETVOEDING TYPE 255



SCHEMA-SLEUTEL

THERMION

BATTERIJ OMFORMER

TYPE 155

Escorto

MET

NETVOEDING TYPE 255

A1 = Anode batterij 67,5 V
A2 = Gloeistroombatterij 1½ V

B1 = DK96
B2 = DF96
B3 = DAF96
B4 = DB96

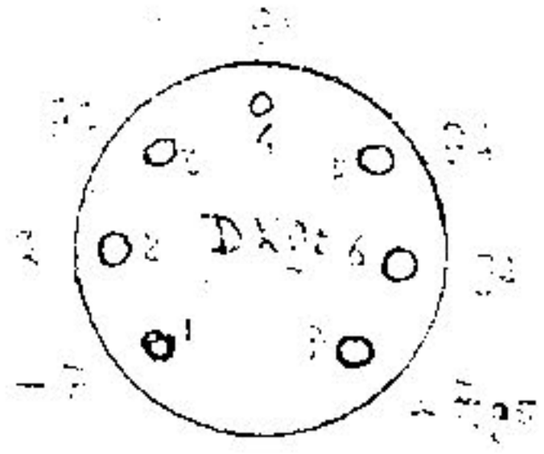
C1 = 50.000 pF
C2, C3 = Var.condensator
C4, C5 = trimmer
C6 = 50.000 pF
C7 = 50 pF
C8 = 100 pF
C9 = 50 pF
C10 = 1000 pF
C11 = 50.000 pF
C12 = 50 pF
C13 = 1000 pF
C14 = 12 pF
C15 = 25 µF 90V
C16 = 1000 µF 10V
C17 = 25 µF 90V

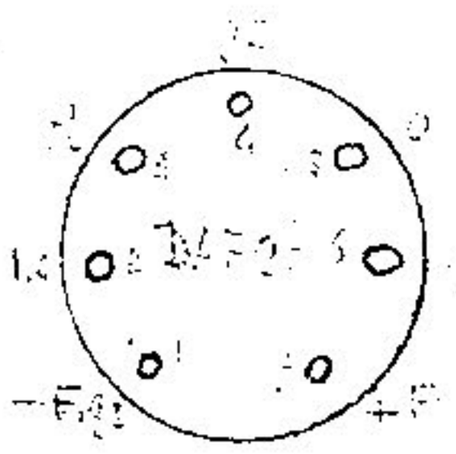
G1 = Gelijkrichtcel
G2 = Gelijkrichtcel

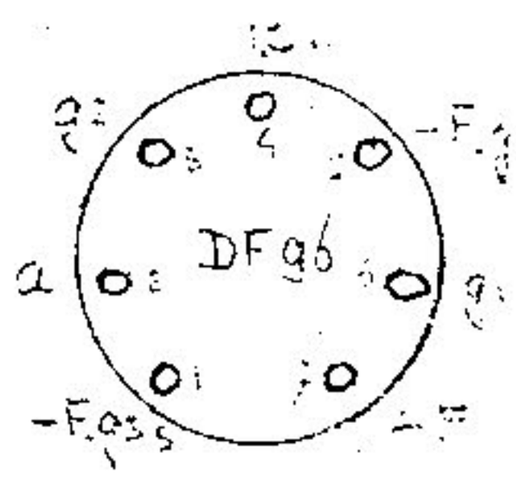
L1 = Thermion antennespoel type 511
L2 = Thermion oscillatorspoel 521

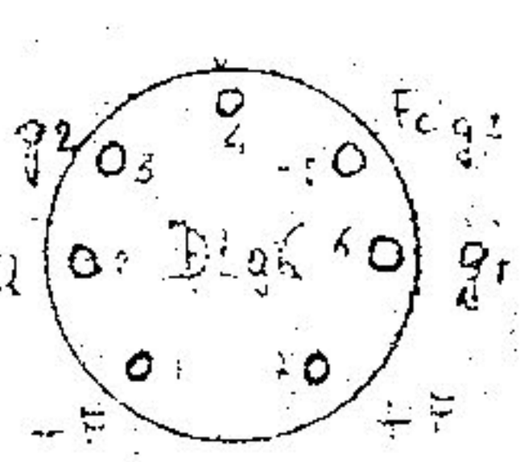
R1 = 27 KΩ ½W
R2 = 18 KΩ ½W
R3 = 3,3 KΩ ½W
R4 = 10 KΩ ½W
R5 = 1 MΩ potmeter met schakelaar
R6 = 100 KΩ ½W
R7 = 2,7 MΩ ½W
R8 = 1 MΩ ½W
R9 = 1 MΩ ½W
R10 = 10 MΩ ½W
R11 = 2,2 MΩ ½W
R12 = 390 Ω 5% ½W
R13 = 22 Ω ½W
R14 = 1600 Ω ½W

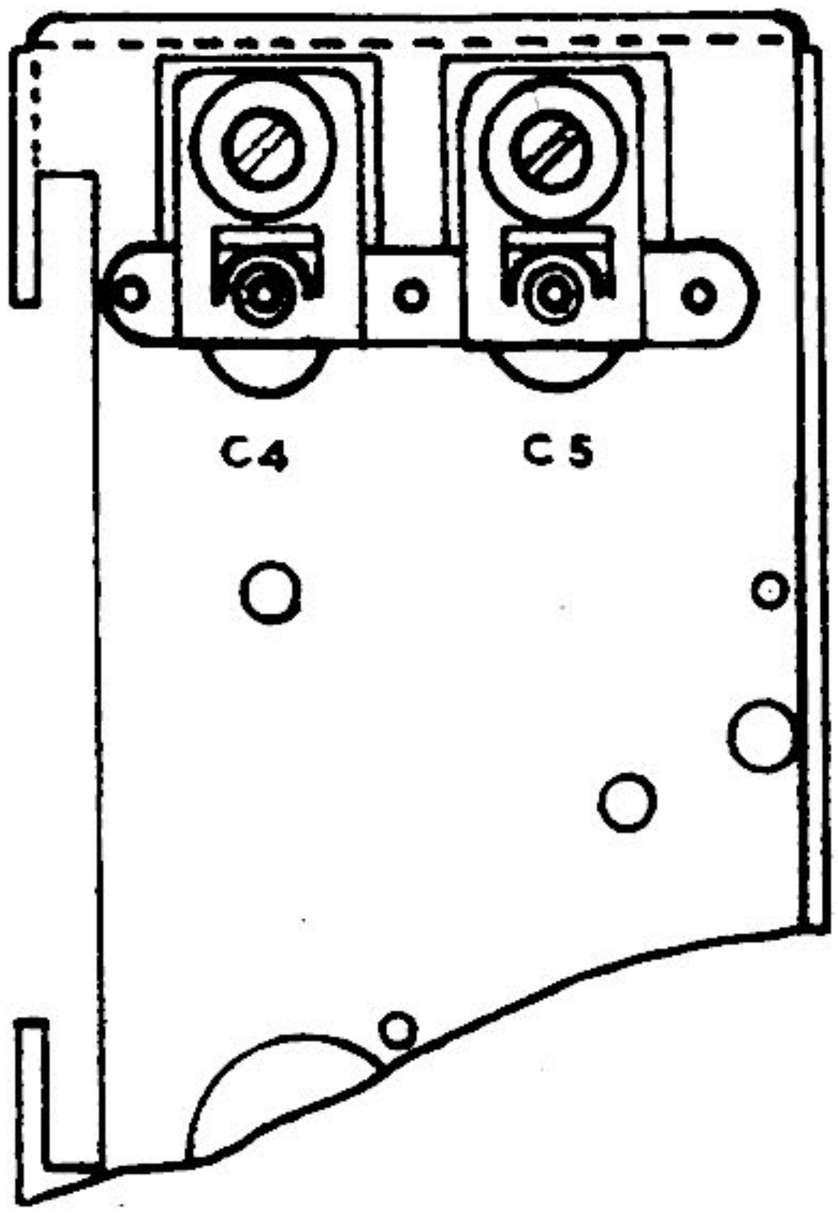
T1 = Thermion uitgangstransformator, type 2603
T2 = Thermion voedingstransformator, type 2501











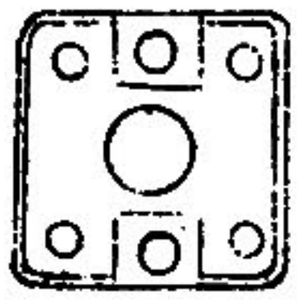
TRIMMER PAKKET

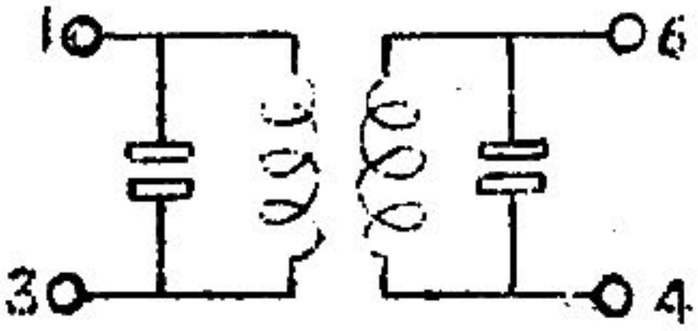
ONDER CHASSIS

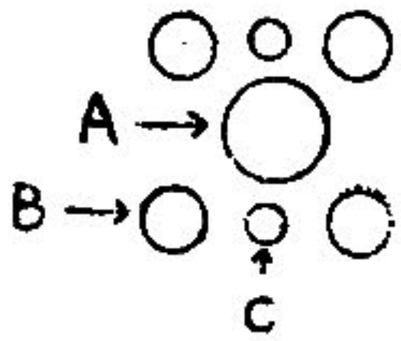
LABORATORIUM

WEYMOUTH RADIO MANUFACTURING COMPANY LIMITED
CRESCENT STREET, WEYMOUTH, DORSET

I.F Transformers - Type P6







Chassis Piercing
A - 5/16" diameter
B - 3/16" "
C - 1/8 " "

DESCRIPTION

A miniature, high-performance Transformer wound in waxed Litz wire on a moulded Bakelite former. Trimming is by means of dust cores which are accessible from top and bottom of the unit. Close tolerance silvered mica condensers are employed.

DIMENSIONS

Can 1 7/8" (4.8 cm) x 13/16" (2.1 cm) Square
Lead out wires 1 1/8" (2.8 cm) Long.

MOUNTING

By means of 2 Screws (6 B.A) into tapped holes in base of former.
Mounting centres 17/32" (1.35 cm)

TECHNICALITIES

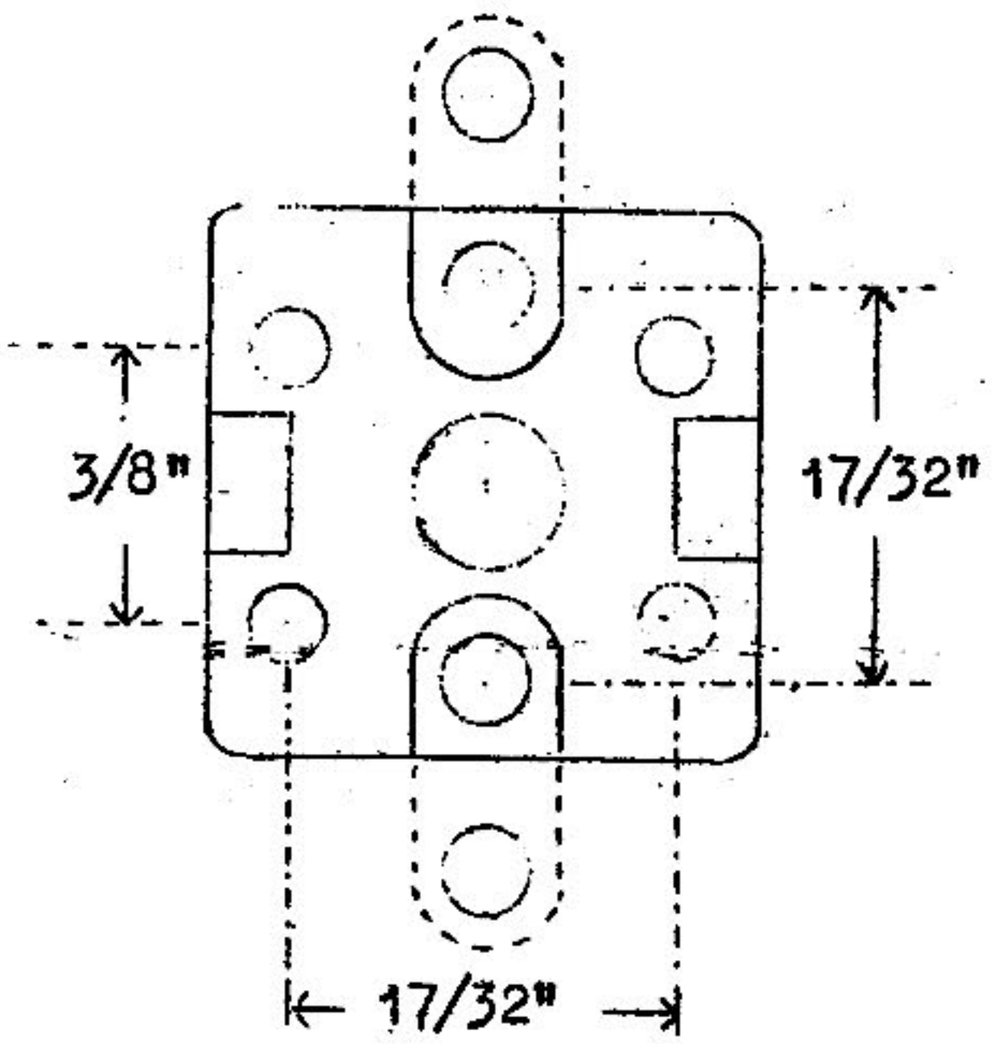
	P6/1	P6/2
Nominal Inductance	960 µH.	1000 µH
Tuning Capacity	100 pF.	100 pF. (plus strays)
Self Capacity	10 pF.	7 pF. (Approximately)
Nominal "Q" (Measured in earthed can @ 470 Kc/s)	85	125
Dynamic Resistance (Allowing 15 pF. circuit capacity)	300,000 ohms.	375,000 ohms.
Bandwidth	7 Kc/s @ -3 db.	6.5 Kc/s @ -3 db.
Bandwidth	9 Kc/s @ -6 db.	8.5 Kc/s @ -6 db.
Tuning Range	460 - 480 Kc/s	

Circuit connections are made to lead-out wires from the base of the transformer. Numbers identifying the leads are moulded into the former base and in addition the Grid connection is coded with a Red paint spot. Looking at the base of the transformer and reading in a clockwise direction from the Red tag, the connections are :- GRID, H.T., ANODE and A.V.C.

Manufacturers Type P6/3

Incorporating a modified former enabling the transformer to be used as a direct replacement for many American and British types. Also providing for two alternative fixing arrangements.

Electrical performance as given for P6/1 and P6/2 overleaf.



View of Base of Transformer
(Twice Full Size)

Mountings :-

a) Two 6B.A Screws into tapped holes in former on 17/32" Centres

b) Two feet on can 6 B.A clearing on 1.1/16" Centres