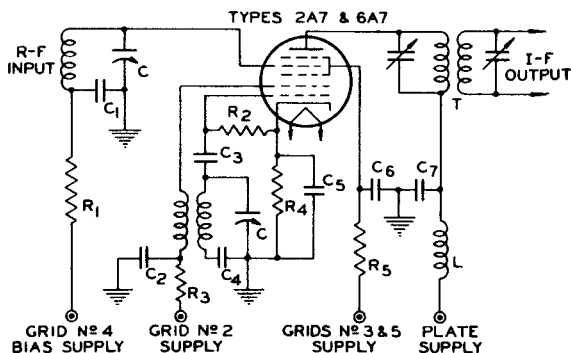


PENTAGRID CONVERTER

Heater	Coated Unipotential Cathode	
Voltage	2.5	a-c or d-c volts
Current	0.8	amp.

For further data, see Type 6A7. The 6A7 and 2A7 are identical except for heater rating.

TYPICAL PENTAGRID CONVERTER CIRCUIT



C = GANGED TUNING CONDENSER
(40 TO 350 $\mu\mu f$)

$C_1, C_2, C_5, C_6, C_7 = 0.1 \mu f$

$C_3 = 0.00025 \mu f$

C_4 = SEE TABLE BELOW

$R_1 = 250\,000$ OHMS, 0.1 WATT

$R_2 = 10\,000 - 50\,000$ OHMS, 0.1 WATT

R_3 = OSCILLATOR-ANODE (GRID No. 2)
VOLTAGE-DROPPING RESISTOR

$R_4 = 150 - 300$ OHMS, 0.1 WATT

R_5 = SCREEN (GRIDS No. 3 & 5) FILTER RESISTOR

L = 60-MILLIHENRY R-F CHOKE

T = 465-KC I-F TRANSFORMER

The license extended to the purchaser of tubes appears in the License Notice accompanying them. Information contained herein is furnished without assuming any obligations.

TYPES 2A7 AND 6A7

TYPICAL PENTAGRID CONVERTER CIRCUIT COIL DESIGN DETAILS

(continued from preceding page)

FREQUENCY BAND MEGACYCLES	0.15 TO 0.40	0.55 TO 1.5	1.5 TO 4.0	4.0 TO 10	10 TO 25
ASSEMBLY N°	1	1	2	3	3
WIRE #	WIRE #	WIRE #	WIRE #	WIRE #	WIRE #
R-F COIL (L ₁)	422 36 SSE	116 30 SSE	146 32 ENAM	36.2 30 ENAM	10.1 30 ENAM
OSC. GRID COIL (L ₂)	198 36 SSE	80 30 SSE	92 32 ENAM	30.9 30 ENAM	9.7 30 ENAM
OSC. PLATE COIL (L ₃)	60 36 SSE	30 30 SSE	20 32 ENAM	12 30 ENAM	12 36 ENAM
OSC. TRACKING COND. (C ₄)	117 μ f	400 μ f	1070 μ f	2900 μ f	7300 μ f
N° 1	N° 2	N° 3			
MULTI-LAYER COILS	SINGLE-LAYER COILS	SINGLE-LAYER COILS			