



# MULLARD RADIO

Model 40

Manufactured by Mullard (Aust) Pty.Ltd., Sydney

3/4 Valve A.C. Broadcast

Speaker Field 1500 ohms

C1 - .1 mf 400V.Tub.	C9 - 250 mmf mica
C2 - 100 mmf mica	C10 - .5 mf 400V.Tub.
C3 - 1000 mmf mica	C11 - .02 mf 400V.Tub.
C4 - Adj. padder 5P	C12 - 10 mf elect.25V.W.
C5 - .1 mf 400V.Tub.	C13 - .05 mf 400V.Tub.
C6 - .02 mf 400V.Tub.	C14 - 5000. mmf mica
C7 - .1 mf 400V.Tub.	C15 - 8 mf elect.440V.W.
C8 - .1 mf 400V.Tub.	C16 - 8 mf elect.500V.W.

R1 - 5 K.ohms V.C.	R8 - 20 K.ohms 1W.
R2 - 460 ohms P type	R9 - 50 K.ohms $\frac{1}{2}$ W.
R3 - 50 K.ohms $\frac{1}{4}$ W.	R10 - .25 M.ohms $\frac{1}{2}$ W.
R4 - 30 K.ohms $\frac{1}{2}$ W.	R11 - .5 M.ohms $\frac{1}{4}$ W.
R5 - 50 K.ohms $\frac{1}{2}$ W.	R12 - 460 ohms P type
R6 - 500 ohms $\frac{1}{2}$ W.	R13 - 5 K.ohms $\frac{1}{4}$ W.
R7 - 3500 ohms P Type	R14 - 15 K.ohms $\frac{1}{4}$ W.

I.F. 456 K.C.

## VOLTAGE AND CURRENT ANALYSIS.

All voltages to chassis, with 1,000 O.P.V. meter; volume full on.

VALVE	PLATE VOLTS.	PLATE mA.
6A7	235	2.2
6F7 (I.F.)	235	3.8
6F7 (Det.)	110	0.2
42	220	24
80	320 (R.M.S.)	--

SCREEN VOLTS.	SCREEN mA.
100	4.7
100	3.0
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235	4.5
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OSC. ANODE VOLTS.	BIAS VOLTS.
125	4.3
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---	22
---	14.5
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All voltages measured with 215 or 240 volts input, according to transformer tapping.