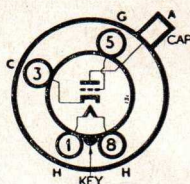


TYPE **C9A**
(ENGLISH OCTAL BASE)
CATHODE RAY TUBE
MAGNETIC TYPE



The BRIMAR type C9A is an indirectly heated high voltage cathode ray tube for use in domestic television receivers. Magnetic deflection and focusing are employed and details of the necessary coils are given below.

RATINGS

Heater Voltage ...	...	...	...	...	...	2.0 volts
Heater Current...	...	...	...	...	...	1.4 amp.
Anode Voltage	...	...	...	...	...	6,000 volts max.
Beam Current ...	...	...	...	...	...	0.15 mA max.

OPERATING CHARACTERISTICS

Anode Voltage	...	...	...	...	...	5,000 volts
Grid Voltage	...	...	...	...	...	-30 volts
(For Beam Current cut-off)	...	...	...	...	...	
Average Peak to Peak Modulation for Maximum Beam Current	...	...	...	...	...	23 volts
Mean Length of Scanning Coils	...	...	...	...	...	1.75 ins.
Scanning Coil Sensitivity (Approx.)	...	...	...	...	...	9 amp. turns per in.
Focusing Coil Requirements	...	...	...	...	...	700 amp. turns
(Using $\frac{1}{4}$ in. gap)	...	...	...	...	...	

SUGGESTED DESIGN DATA FOR FOCUSING COIL

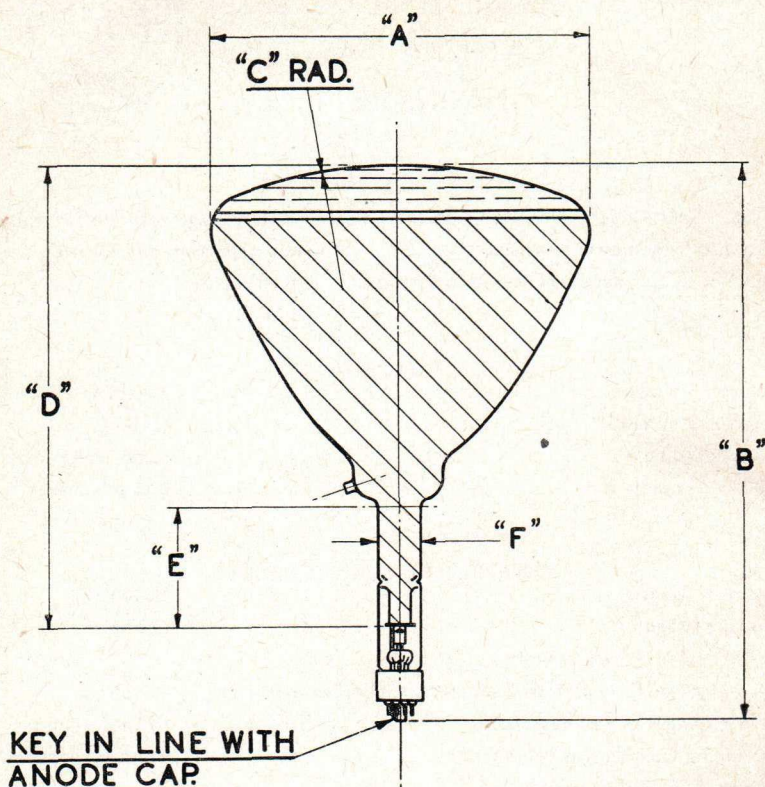
Length of Coil	...	...	...	...	...	1½ in.
Total Turns	...	...	...	...	...	27,000
Wire Gauge	...	...	...	...	...	44 s.w.g.
Focusing Current	...	...	...	...	...	25 mA

INTER-ELECTRODE CAPACITANCES (APPROX.)

Grid to all other Electrodes	...	...	...	...	...	5 pF
Cathode to all other Electrodes	...	...	...	...	...	5 pF

CATHODE RAY TUBES TYPES C9A & C12A.

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DIMENSIONS IN MILLIMETRES

DIMENSION	C9A	C12A
A	228	312
B	369 ± 5	460 ± 5
C	380	385
D	308.7 ± 2	397 ± 2
E	103.3 ± 1	113 ± 1
F	$34.5 \pm .5$	$34.5 \pm .5$