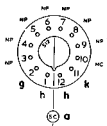


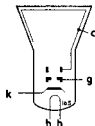
Compass Tube

CV5203

Maintenance Type



B12A (5 Pin) Base, CT8 Cap



GENERAL

Round Flat Face —6 in. Diameter
Internal Compass Scale
Aluminised Screen—Green Trace
Magnetic Focus and Deflection

Heater Voltage
Heater Current

Treated to reduce Specular Reflection
Graduated with Octantal Correction
T1 Phosphor—Medium Persistence
High Brightness Level

V_h 6.3 V
 I_h 0.6 A

RATINGS

Maximum Anode Voltage	$V_{a(max)}$	10* kV
Minimum Anode Voltage	$V_{a(min)}$	7.5 kV
Maximum Heater to Cathode Voltage, Heater Negative (d.c.)	$V_{h-k(max)}$	150 V

* 10 kV is a design centre rating, the absolute maximum of 12.5 kV must not be exceeded.

INTER-ELECTRODE CAPACITANCES †

Cathode to all	C_{k-all}	5.3 pF
Grid to all	C_{g-all}	4.7 pF

† These capacitances include an AEI wafer type duodecal holder.

TYPICAL OPERATION—Grid Modulation (Voltages referred to cathode)

Anode Voltage	V_a	9.5 kV
Grid to Cathode Voltage for cut-off of 140 mm focused line	V_g	-43 to -93 V
Average Peak to Peak Modulating Voltage for modulation up to 150 μ A		30 V
Maximum Peak to Peak Modulating Voltage for modulation of limit CRT up to 150 μ A		35 V

Note

A resistance should be inserted in the anode circuit in order to limit the discharge current to 100 mA max. in the event of a flash-over inside the tube.

Tube Weight (approx)—Net 2½ lb

Packed 16½ lb

Thorn Radio Valves and Tubes Limited

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RADAR
TUBES

