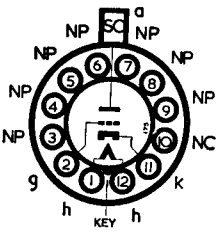
Replacement Type

TYPE C14BM

B12A (DUODECAL) BASE



RECTANGULAR WIDE ANGLE DEFLECTION TELETUBE WITH ALUMINIZED SCREEN AND EXTERNAL CONDUCTIVE COATING

RATINGS

Heater Voltage	6.3 volts
Heater Current...	0.6 amps.
Anode Voltage	14 kV max.
Anode Voltage	10 kV min.
Beam Current	250 μA max.
Grid Voltage	—2 volts min.
Diagonal Deflection Angle	70 degrees approx.
Peak Heater to Cathode Potential	150 volts max.
Peak Heater to Cathode Potential*	410 volts max

OPERATING CHARACTERISTICS

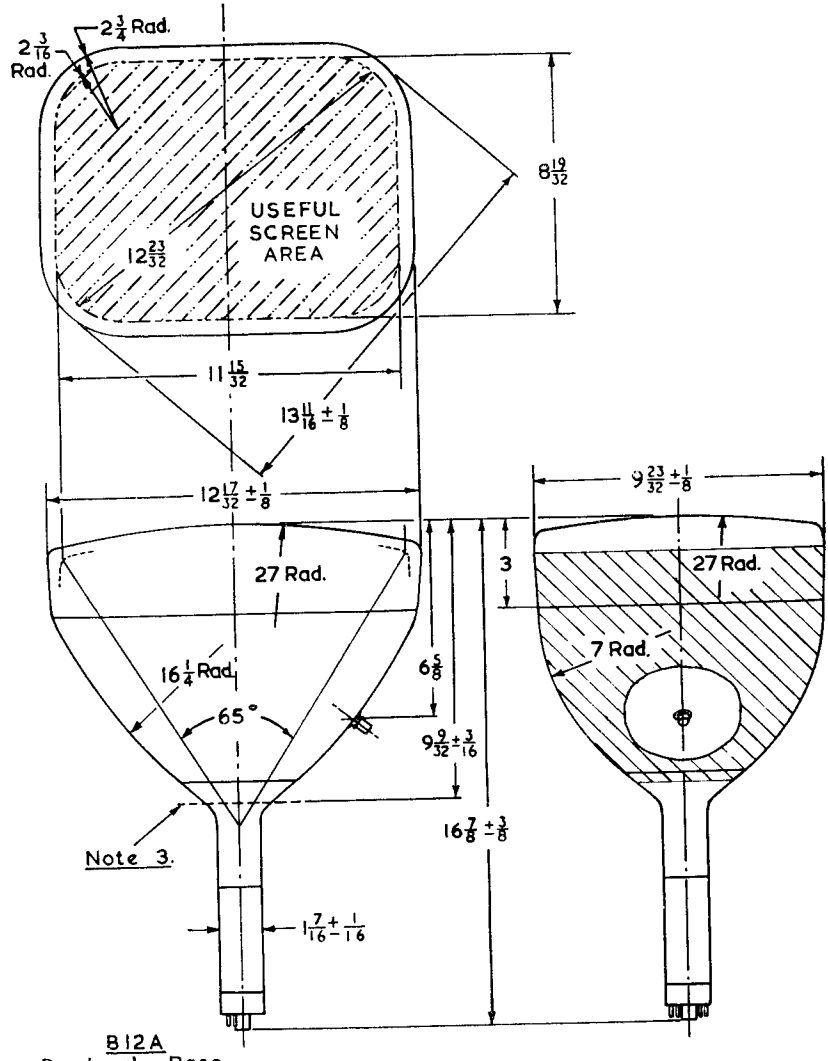
Anode Voltage	12 kV
Grid Voltage Limits for Cut-off	—50 to —100 volts
Peak to Peak Modulation for Beam Current of 150 μA ...	30 volts
Focusing requirements with $\frac{1}{4}$ inch Gap	800 amp. turns approx.
Distance from Modulator Grid Aperture to Centre of Focus Coil Gap	2 inches approx.
Scanning Power for Coil of Mean Length $2\frac{1}{4}$ inches ...	23 amp. turns per inch approx.
Distance from Modulator Grid Aperture to Reference Line	5.2 inches $\pm \frac{1}{8}$ in.

INTER-ELECTRODE CAPACITANCES

Grid to All (c_{g-all})	9.0 pF max.
Cathode to All (c_{k-all})	7.0 pF max.
Anode to External Coating (c_{a-M})	1,500 pF

** Heater Negative with respect to Cathode and only during warm-up period of 15 secs. maximum duration.*

C14BM



B12A

Duodecal Base

Pin No.	Electrode
1	Heater
2	Grid
3	Omitted
4	Omitted
5	Omitted
6	Omitted
7	Omitted
8	Omitted
9	Omitted
10	No connection
11	Cathode
12	Heater
Cap	Anode

Note

1. All dimensions in inches.
2. Anode cap in line ±10° with vacant base pin No. 6 position.
3. Reference line determined by position of gauge No. DD.705. (see V.A.D./392.12)