

from RMA release # 362, May 20, 1944

Type of Tube - Ultra High Frequency Oscillator triode for pulse operation.

Cathode - Indirectly heated, oxide coated.

Envelope - Metal & glass, with air cooled radiator.

Electrical Ratings

Filament Voltage (AC or DC)	E_f - 6.0 volts
Filament Current	I_f - 6.5 amperes
Maximum peak plate voltage	e_p - 12 K.V. Note A
Peak plate Current	a - 40 amperes
Maximum plate dissipation	P_p - 150 watts Note B
Amplification factor	μ_a - 22

Inter electrode Capacities

Plate to grid	8 mmf. $\pm$ 25%
Grid to cathode	11 mmf. $\pm$ 25%
Plate to cathode	2.25 mmf. $\pm$ 33%

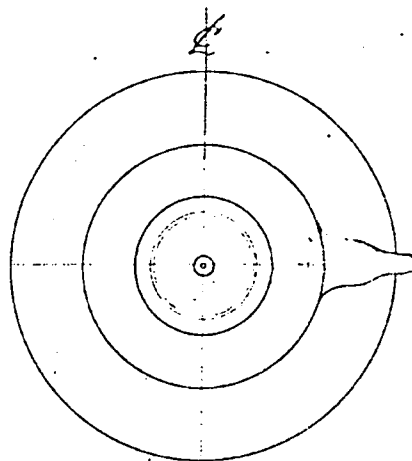
NOTES

- A. 12 K.V. cannot be initially applied directly to the tube. The voltage must be gradually increased to 12 K.V.
- B. The air cooled surface of the **plate** and the glass seals must be maintained below 140°C. To attain this at least 5 cu. ft., of air per minute must be blown on the **plate** radiator and 1 cu. ft. of air per min. must be blown on the grid seal.

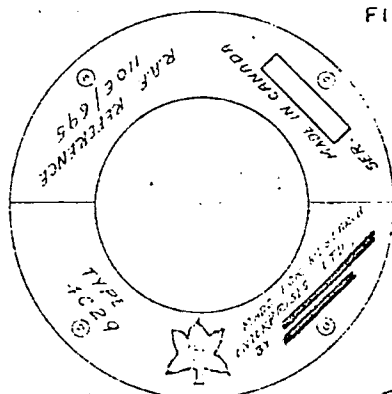
SECRET

4C29

② = THESE SURFACES MUST BE
PARALLEL WITHIN 1°
AND MUST BE CONCENTRIC
WITHIN $\frac{1}{64}$ " ($\frac{1}{32}$ " TOTAL
INDICATOR READING)



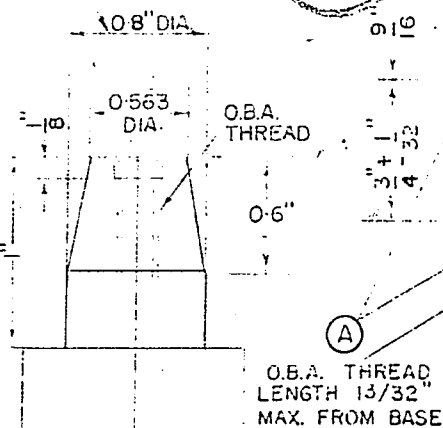
FILAMENT CONNECTOR
TO BE CONCENTRIC WITH
RADIATOR WITHIN $\frac{1}{16}$ "
($\frac{1}{8}$ " TOTAL INDICATOR READING)



FILAMENT

GATHODE

WHENEVER POSSIBLE KEEP
THIS DIMENSION DOWN TO
0.75" DIA.



MAXIMUM OUTSIDE DIMENSIONS OF GRID CONNECTIONS

TO TAKE GAUGE SHOWN IN
SKETCH W.T. 13750/S

COPY NO.

REVISID DATE

COMPILED DATE

MADE BY

APP.

Jan 26/44

W. P. P.

Mr. L.C.F. Horle
R.M.A. Eng. Dept.
90 West Street
New York City.

Issue I

4029

AMENDMENT I
TO
TRANSMITTING TRIODE
FOR SUPPLY TO
RESEARCH ENTERPRISES LIMITED

The detailed drawings on pages 2 and 3 of this
Amendment are to be added to the R.E.L. Tube
Specification 4029 Issue I.

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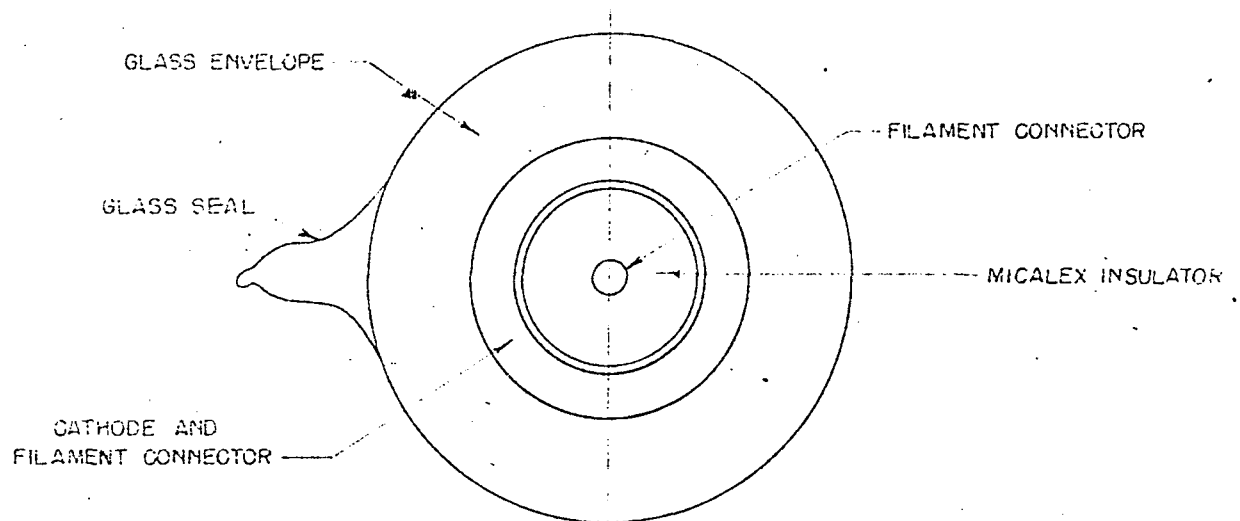
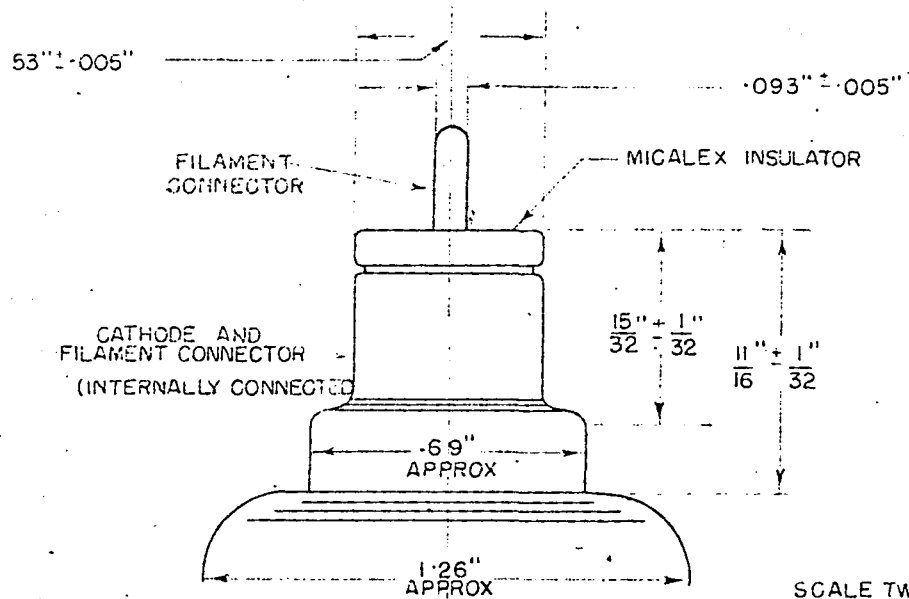
APP.

Apr. 19/44

Mr. L.C.F. Horle

Issue I

TUBE TYPE 4C29



SCALE TWICE FULL SIZE

DETAILED DRAWING
SHOWING DIMENSIONS OF
CATHODE AND FILAMENT CONNECTOR

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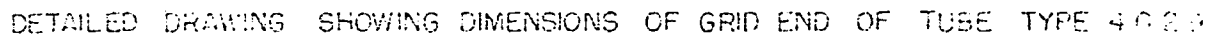
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R.C.H. APRIL 21, 44

Issue 1



APP.

R. C. H. APRIL 23, 44