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 $I_p$ - 40 amperes
- Maximum plate dissipation $P_p$ - 150 watts Note B
- Amplification factor $\mu$ - 22

**Inter electrode Capacities**

- Plate to grid 8 mmf. ± 25%
- Grid to cathode 11 mmf. ± 25%
- Plate to cathode 2.25 mmf. ± 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.
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.
TUBE TYPE 4C29

GLASS ENVELOPE

GLASS SEAL

CATHODE AND FILAMENT CONNECTOR

-FILAMENT CONNECTOR

MICALEX INSULATOR

53" - 006"

093" - 005"

FILAMENT CONNECTOR

MICALEX INSULATOR

CATHODE AND FILAMENT CONNECTOR (INTERNALLY CONNECTED)

59" APPROX

1.26" APPROX

SCALE TWICE FULL SIZE

DETAILED DRAWING SHOWING DIMENSIONS OF CATHODE AND FILAMENT CONNECTOR
TUBE TYPE 4029

GRID CONNECTOR

OD A THREAD LENGTH 12
32
MAX FROM BASE

PLATE

PLATE RADIATOR

GRID CONNECTOR

CORONA SHIELD

GLASS ENVELOPE

SCALE TWICE FULL SIZE

DETAILED DRAWING SHOWING DIMENSIONS OF GRID END OF TUBE TYPE 4029