### Security Classification: Confidential

### Type 2J38 MAGNETRON

# GENERAL CHARACTURISTICS

### Electrical

Cathode Coated Unipotential

Filament voltage 6.3 volts Filament current 1.25 amps

Frequency 3249 - 3263 Mc

Peak anode voltage 4500 volts

Power output at .004 duty cycle and

3 peak amperes 10 watts

## Mechanical

Maximum Dimensions - see outline drawing Base connections - see outline drawing

Mounting position - any

# Maximum Ratings

Duty Cycle\* .012

Peak anode voltage 5000 volts

Peak anode current 8 amps

Anode dissipation 160 watts

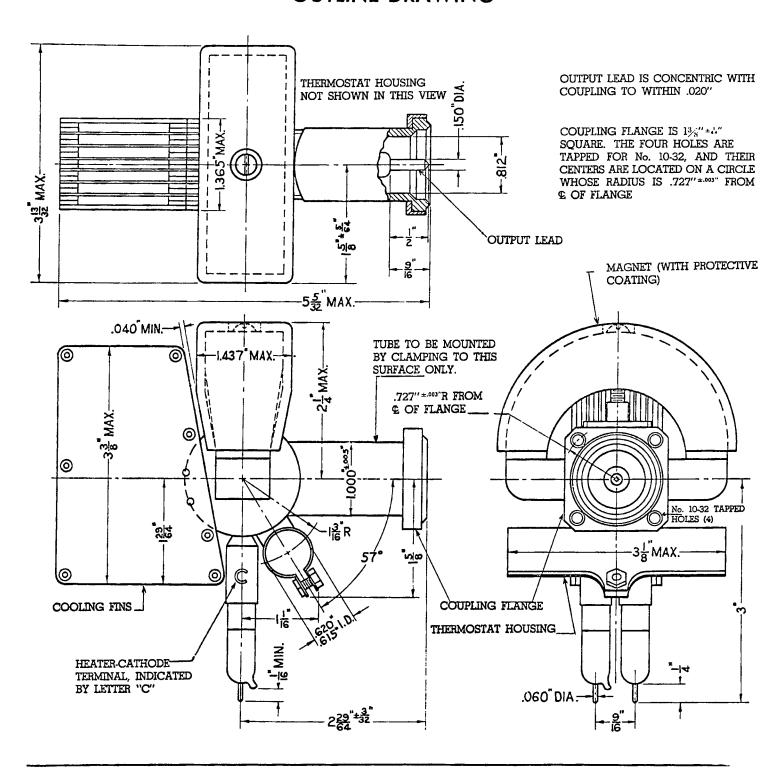
Anode temperature 100 C degrees

\* In any 100 microsecond interval, the tube shall not be operated longer than 5 microseconds.

Sponsor: Raytheon Manufacturing Company - Power Tube Division

from RMA release # 450, Nov. 10, 1945

# TECHNICAL INFORMATION MAGNETRON OSCILLATOR OUTLINE DRAWING



RAYTHEON MANUFACTURING COMPANY—POWER TUBE DIVISION