

Security Classification: Confidential

Type 2J36  
MAGNETRON

GENERAL CHARACTERISTICS

Electrical

Cathode	Coated Unipotential
Filament Voltage	6.3 volts
Filament Current	1.3 amps

Frequency	Min.	Max.
	9003	9168 Mc
Field Strength	2500 gauss	
Anode voltage	11,500 volts	
Power Output at 10 amperes .001 duty cycle	12 watts	

Mechanical

Maximum Dimensions - see outline  
Mounting Position - any

Maximum Ratings

Duty Cycle*	.002
Anode voltage	13,500 volts
Anode current	12 amps
Anode dissipation	180 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

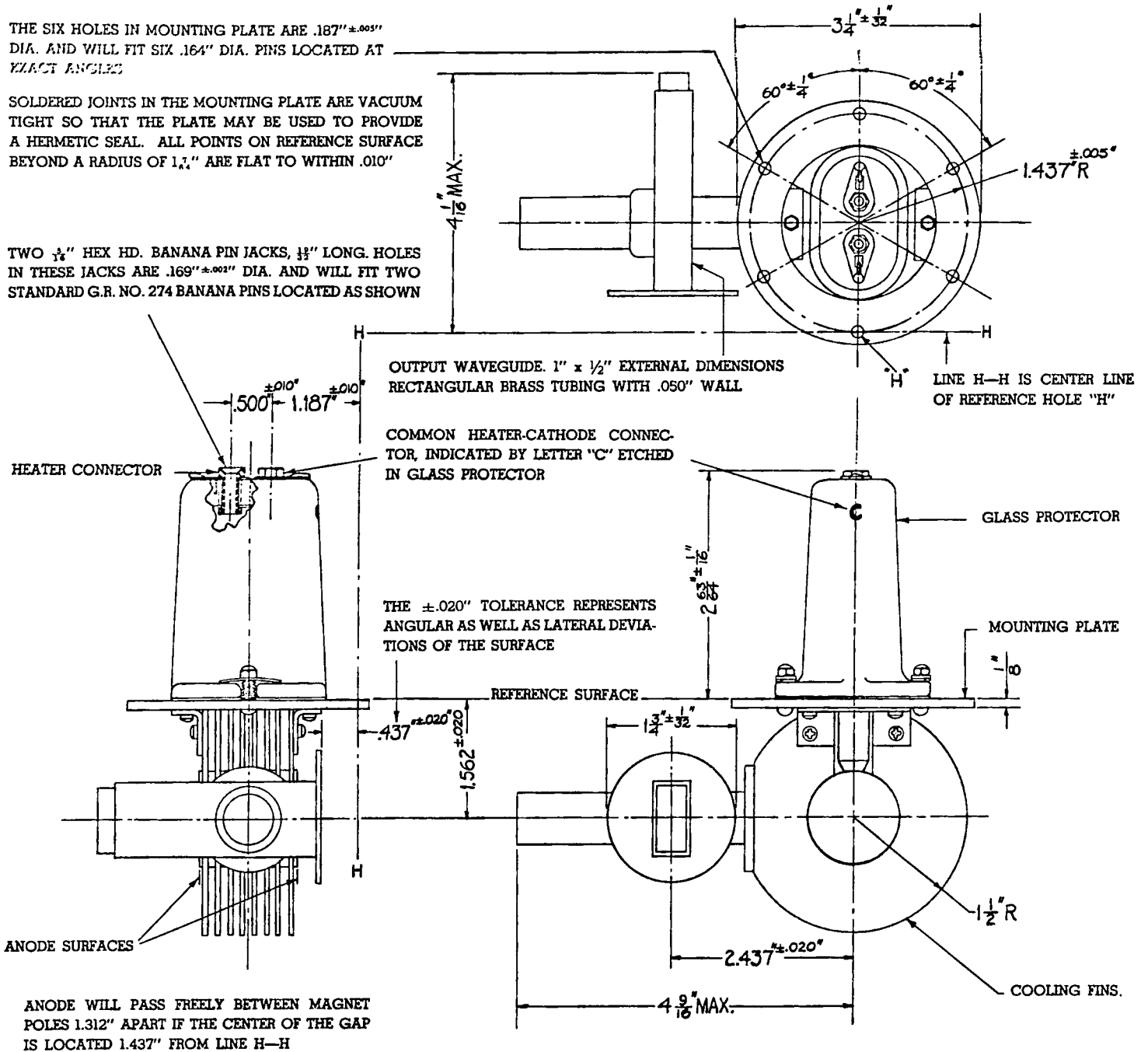
from RMA release # 445, Oct. 20, 1945

## TECHNICAL INFORMATION MAGNETRON OSCILLATOR OUTLINE DRAWING

THE SIX HOLES IN MOUNTING PLATE ARE  $.187'' \pm .005''$  DIA. AND WILL FIT SIX  $.164''$  DIA. PINS LOCATED AT EXACT ANGLES

SOLDERED JOINTS IN THE MOUNTING PLATE ARE VACUUM TIGHT SO THAT THE PLATE MAY BE USED TO PROVIDE A HERMETIC SEAL. ALL POINTS ON REFERENCE SURFACE BEYOND A RADIUS OF  $1.4''$  ARE FLAT TO WITHIN  $.010''$

TWO  $\frac{1}{8}''$  HEX HD. BANANA PIN JACKS,  $\frac{1}{2}''$  LONG. HOLES IN THESE JACKS ARE  $.169'' \pm .002''$  DIA. AND WILL FIT TWO STANDARD G.R. NO. 274 BANANA PINS LOCATED AS SHOWN



ANODE WILL PASS FREELY BETWEEN MAGNET POLES  $1.312''$  APART IF THE CENTER OF THE GAP IS LOCATED  $1.437''$  FROM LINE H-H

RAYTHEON MANUFACTURING COMPANY—POWER TUBE DIVISION