

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

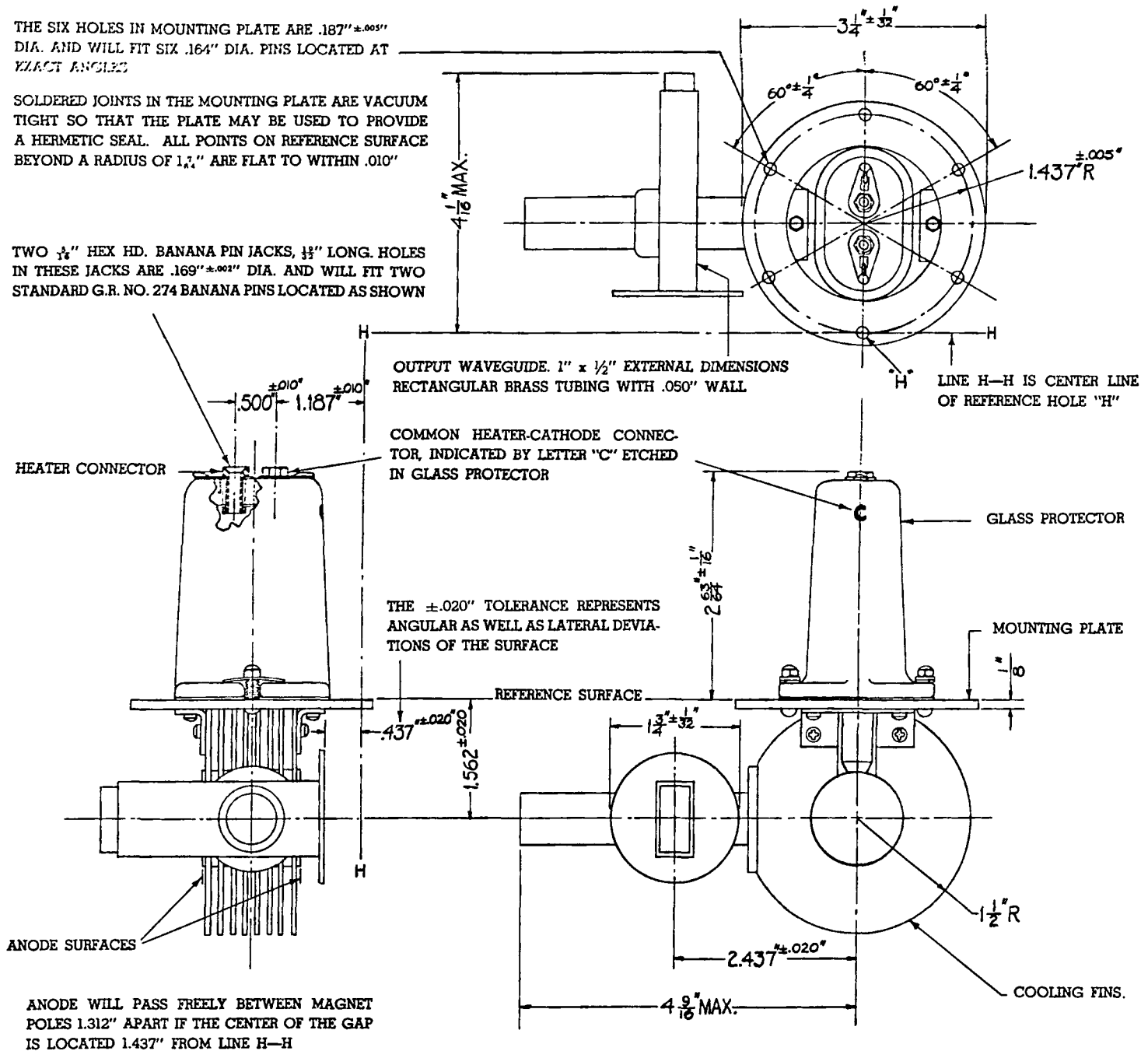
from RMA release # 445, Oct. 20, 1945

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 $1\frac{1}{4}''$ 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



RAYTHEON MANUFACTURING COMPANY—POWER TUBE DIVISION