

Security Classification: Confidential

Type 2J40  
MAGNETRON

GENERAL CHARACTERISTICS

Electrical

Cathode	Coated Unipotential
Filament voltage	6.3 volts
Filament current	1.3 amps
Frequency	9305-9325 Mc
Field strength	2500 gauss
Anode voltage	11,500 volts
Power output at 10 amperes .001 duty cycle	10 watts

Mechanical

Maximum Dimensions - see outline  
Mounting Position - any

Maximum Ratings

Duty Cycle *	.002
Anode voltage	13,500 volts
Anode current	10 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

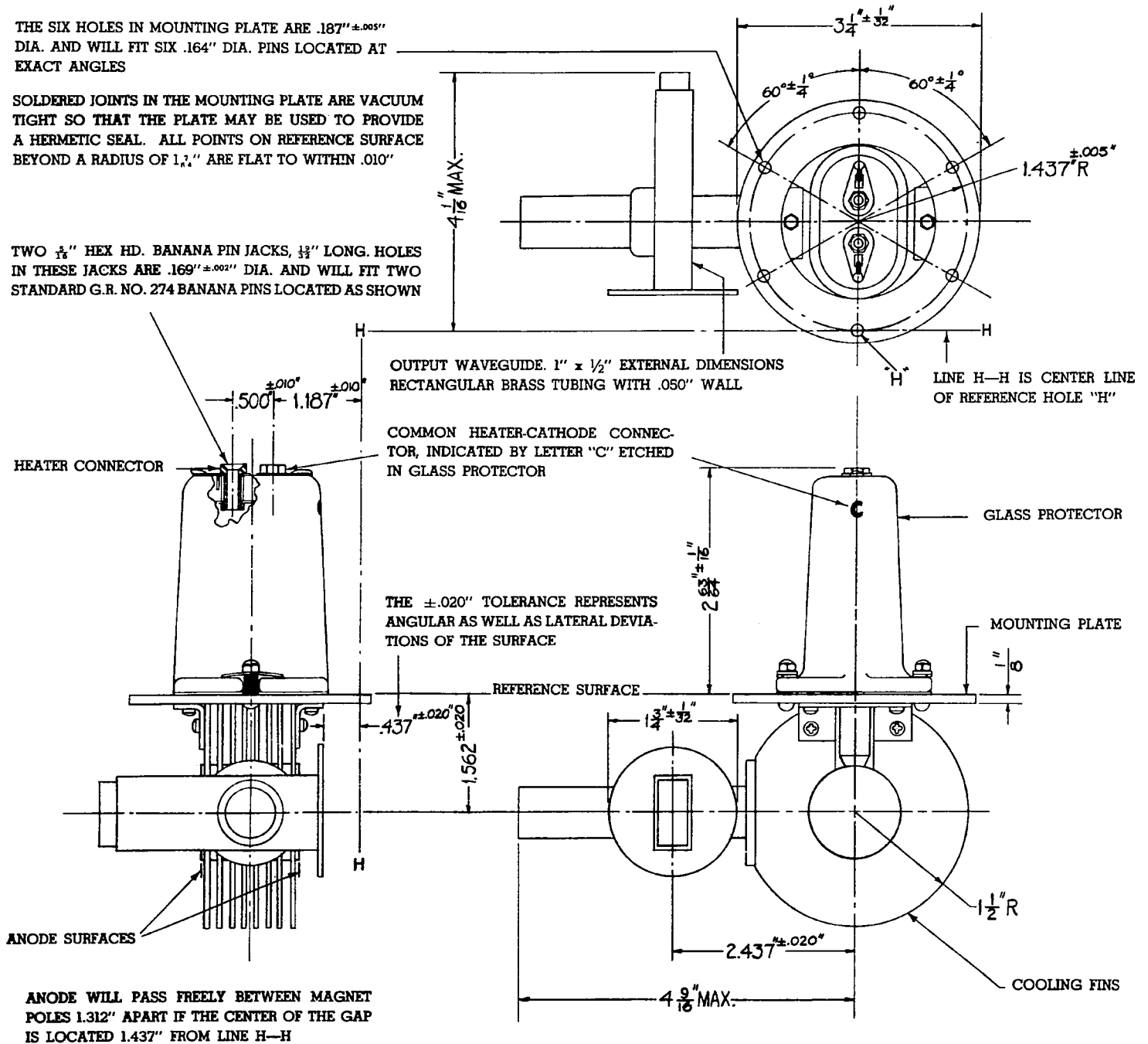
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TECHNICAL INFORMATION  
MAGNETRON OSCILLATOR  
OUTLINE DRAWING

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  $1.437''$  ARE FLAT TO WITHIN  $.010''$

TWO  $\frac{1}{8}''$  HEX HD. BANANA PIN JACKS,  $\frac{1}{4}''$  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