

Security Classification: Confidential

Type 2J66 - 69
Tunable Magnetron

General Characteristics

<u>Electrical</u>	
Cathode	uni-potential oxide coated
Voltage	6.3 volts
Current	1.50 amp

Frequency	<u>Type</u>	<u>Min.</u>	<u>Max.</u>
	2J66	2845	2905 Mc
	2J67	2795	2855 Mc
	2J68	2745	2805 Mc
	2J69	2695	2755 Mc

Field Strength	1700 gauss
Power Output	150 watts

Mechanical

Maximum overall height	see outline drawing
Maximum diameter	" " "
Permissable Mounting Position	any

Maximum Ratings

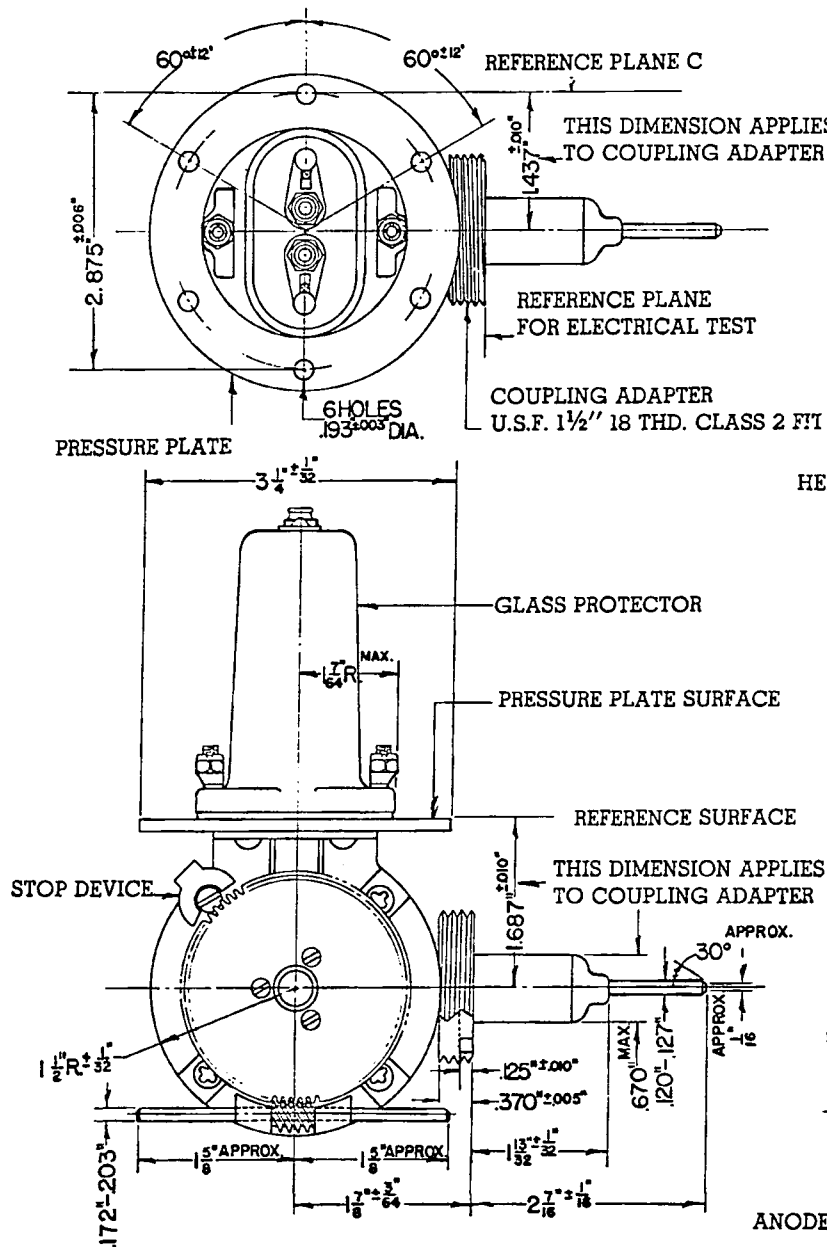
Duty Cycle (max)	.002
Anode voltage	20 KV
Anode Current	25 amp
Anode Dissipation	400 watts

Sponsor: Raytheon Manufacturing Company - Waltham, Massachusetts

from RMA release # 464, Jan. 10, 1946

TECHNICAL INFORMATION TUNABLE MAGNETRON OSCILLATOR

OUTLINE DRAWING

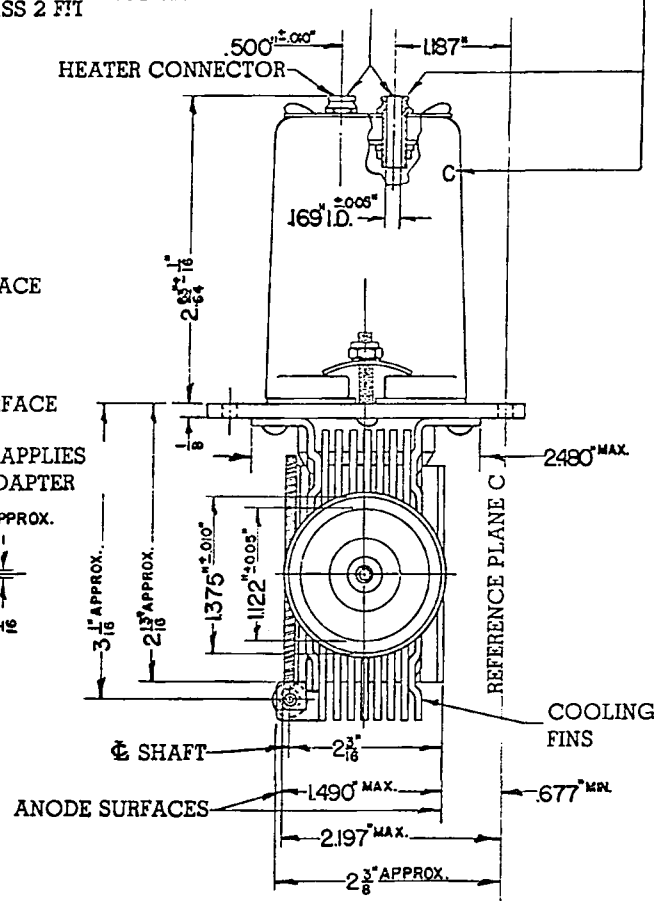


TUNING GEAR IS ASSEMBLED WITH STOP DEVICE TO PERMIT TWO TURNS (700 DEGREES) FOR TUNING RATIO OF WORM GEAR TO TUNING GEAR 27:1.

SOLDERED JOINTS IN THE PRESSURE PLATE ARE VACUUM TIGHT SO THAT IT MAY BE USED TO PROVIDE A HERMETIC SEAL. ALL POINTS ON REFERENCE SURFACE ARE FLAT TO WITHIN .010" FOR ½" IN FROM OUTER EDGE.

COMMON HEATER CATHODE CONNECTION INDICATED BY LETTER "C"

TWO HEX. HD. PIN JACKS 19/32" LONG LOCATED WITHIN A RADIUS OF .023" OF THE LOCATION SPECIFIED WILL FIT STANDARD G.R. NO. 274 BANANA PINS.



RAYTHEON MANUFACTURING COMPANY
POWER TUBE DIVISION

WALTHAM, MASSACHUSETTS