

Security Classification: Confidential

Type 2J23-29
MAGNETRON

GENERAL CHARACTERISTICS

Electrical

Cathode	Coated Unipotential
Filament voltage	6.3 volts
Filament current	1.5 amps

<u>Frequency</u>	<u>Type</u>	<u>Min.</u>	<u>Max.</u>
	2J23	3071	3100 Mc
	2J24	3047	3071 Mc
	2J25	3019	3047 Mc
	2J26	2992	3019 Mc
	2J27	2965	2992 Mc
	2J28	2939	2965 Mc
	2J29	2914	2939 Mc

Field Strength	2400 gauss
Peak Anode Voltage	20,000 volts
Power Output at 30 amperes .001 duty cycle	240 watts

Mechanical

Maximum Dimensions - see outline drawing
Base Connections - see outline drawing
Mounting Position - any

Maximum Ratings (Peak values for duty cycle specified)

Duty Cycle *	.002
Anode voltage	22,000 volts
Anode current	30 amps
Anode dissipation	350 watts

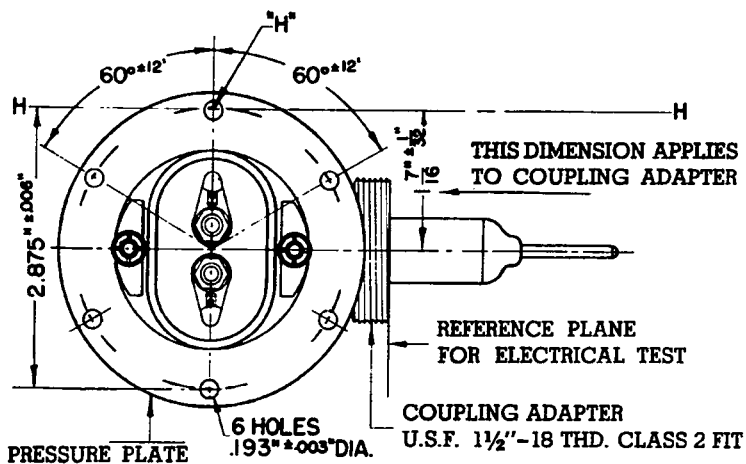
* In any 100 microsecond interval the tube shall not be operated more than 5 microseconds.

Sponsor: Raytheon Manufacturing Company, Power Tube Division

From RMA release # 366, May 20, 1944

TECHNICAL INFORMATION MAGNETRON OSCILLATOR

OUTLINE DRAWING



LINE H-H IS THE CENTERLINE OF REFERENCE HOLE "H."

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 $\frac{1}{2}$ " IN FROM OUTER EDGE.

COMMON HEATER-CATHODE CONNECTION INDICATED BY LETTER "C"

TWO HEX. HD. PIN JACKS $1\frac{19}{32}$ " LONG, LOCATED WITHIN A RADIUS OF .023" OF THE LOCATION SPECIFIED. WILL FIT STANDARD G. R. NO. 274 BANANA PINS

