

Security Classification: Confidential

Type 2J59 Tentative
MAGNETRON

General Characteristics

Electrical

Cathode	Coated Unipotential
Filament Voltage	6.3 volts
Filament Current-	1.5 amps
Frequency Range	3256 $\pm$ 20 Mc
Magnetic Field Strength	1300 gauss
Peak Anode Voltage	10,000 volts
Power output at .002 duty cycle and 12.5	50 watts

Mechanical

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

Maximum Ratings

Duty Cycle*	.002
Peak anode voltage	15,000 volts
Peak anode current	15 amps
Anode dissipation	200 watts
Anode temperature	100 C degrees

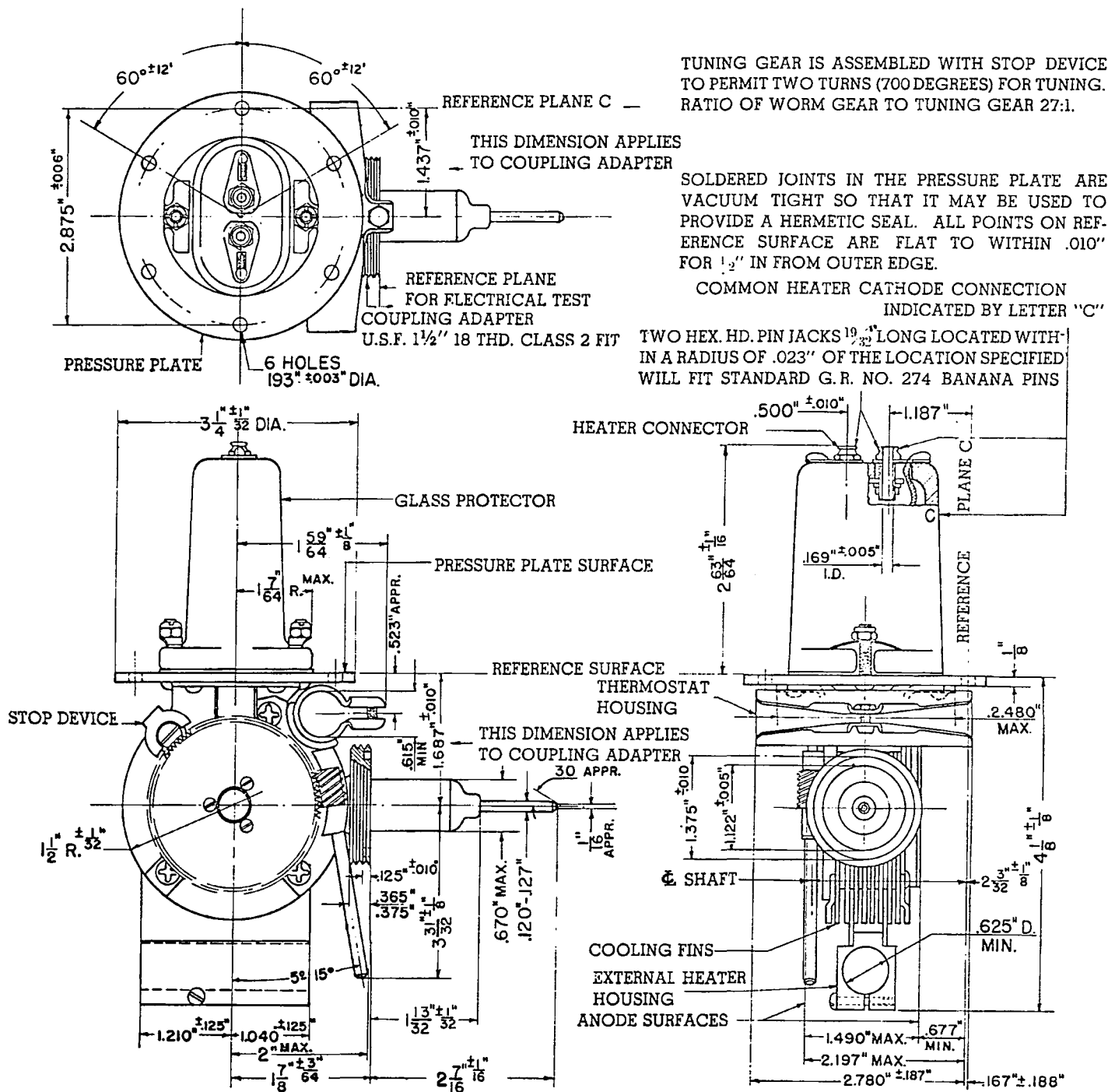
* In any 100 microsecond interval, the tube shall not be operated longer than 5 microseconds.

Sponsor: Raytheon Manufacturing Company, Power Tube Division

from RMA release # 464, Jan. 10, 1946

TECHNICAL INFORMATION TUNABLE MAGNETRON OSCILLATOR

OUTLINE DRAWING



RAYTHEON MANUFACTURING COMPANY
POWER TUBE DIVISION

WALTHAM, MASSACHUSETTS