

Security Classification: Confidential

Type 2J61-A Tentative
Tunable Magnetron

GENERAL CHARACTERISTICS

Electrical

Cathode	Coated Unipotential
Filament voltage	6.3 volts
Filament current	1.5 amps
Frequency Range	3050 $\pm$ 55 Mc
Magnetic Field Strength	1300 gauss
Peak Anode Voltage	10,000 volts
Power output at .002 duty cycle and 12.5	60 watts

Mechanical (Note)

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

Maximum Ratings

Duty Cycle*	.002
Peak Anode Voltage	14,000 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.

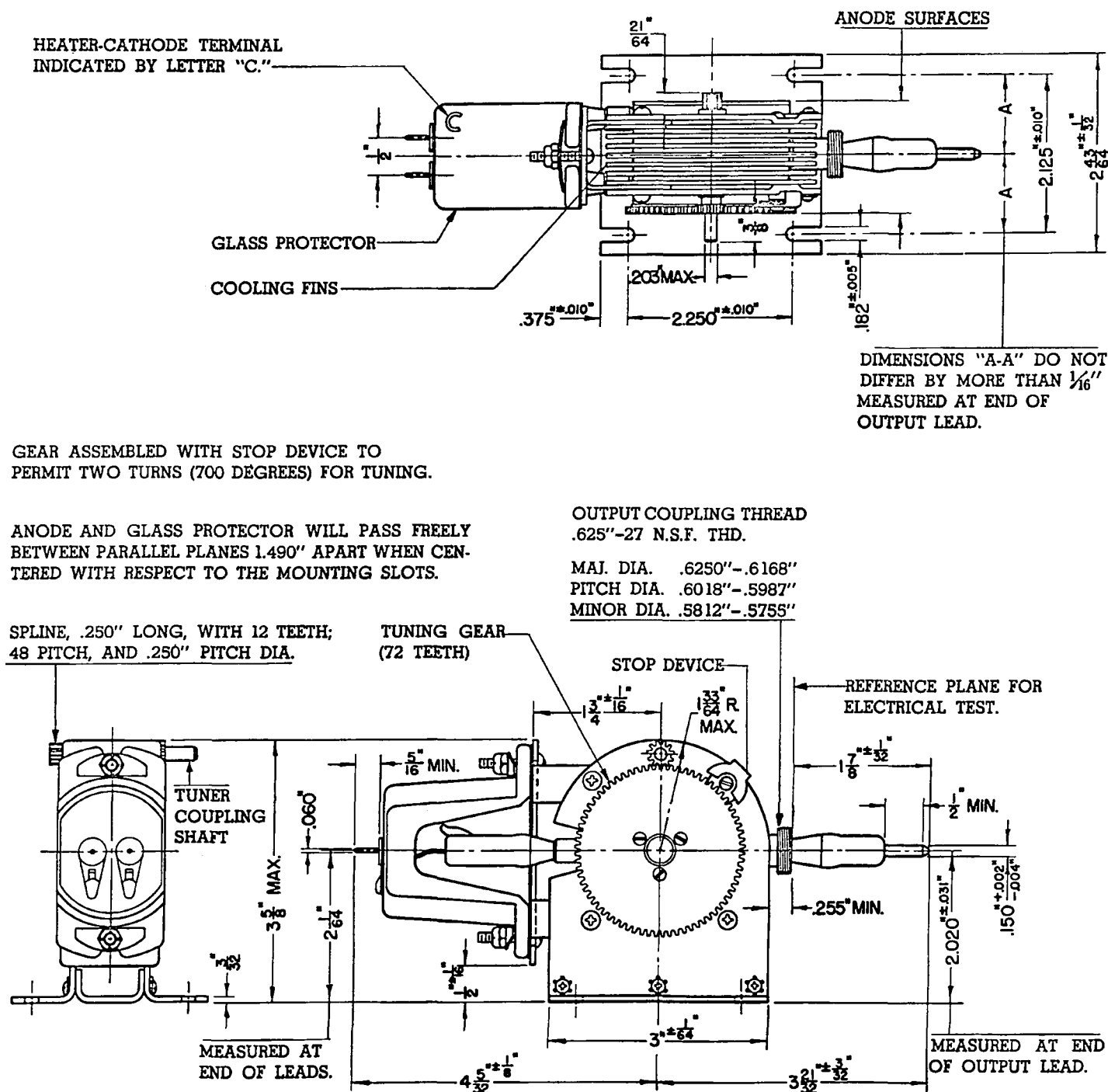
Note: Type 2J61A is ruggedized version of 2J61. The two types are completely interchangeable.

Sponsor: Raytheon Manufacturing Company-Power Tube Division

TECHNICAL INFORMATION

TUNABLE MAGNETRON OSCILLATOR

OUTLINE DRAWING



RAYTHEON MANUFACTURING COMPANY—POWER TUBE DIVISION