

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

from RMA release # 456, Nov. 23, 1945

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 $1\frac{1}{4}''$ 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

