

Security Classification: Confidential

Type 2J37 Magnetron

General Characteristics

Electrical

Cathode	Coated Unipotential		
Filament Voltage	6.3 volts		
Filament Current	1.5 amps		
Frequency		<u>Min.</u> 3257	<u>Max.</u> 3277 Mc
Magnetic Field Strength	1375 gauss		
Peak Anode voltage	10,500 volts		
Power Output at .002 duty cycle and 15 peak amperes	80 watts		

Mechanical

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

Maximum Ratings

Duty Cycle*	.006
Peak Anode voltage	12,000 volts
Peak anode current	15 amps
Anode dissipation	300 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

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