



Type 2J21

Magnetron

GENERAL CHARACTERISTICSElectrical

Cathode	<u>Unipotential, Coated</u>
Filament Voltage	<u>6.3 Volts</u>
Filament Current	<u>1.2 - 1.4 Amperes</u>
Frequency	<u>9345 - 9405 Megacycles</u>
Magnetic Field Strength	<u>2400 Gauss</u>
Pulse Duration	<u>1 Microsecond</u>
Repetition Rate	<u>1000 Cycles/Sec.</u>
Anode Voltage	<u>10.5 - 12.5 Kilovolts</u>
Anode Current, <u>Peak</u>	<u>10 Amperes</u>
Peak Power Output	<u>10 Kilowatts</u>

Mechanical

Dimensions	<u>See Outline</u>
Mounting Position	<u>Any</u>
Cooling	<u>Forced Air</u>

MAXIMUM RATINGS

Peak Anode Voltage	<u>13.5 Kilovolts</u>
Peak Anode Current	<u>10 Amperes</u>
Anode Dissipation	<u>180 Watts</u>
Duty Cycle	<u>.002</u>
Anode Temperature	<u>100° C</u>

Tube shall not be operated longer than 5 microseconds
in any 100 microsecond interval.

Bloomfield, New Jersey

December 5, 1945

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