

WESTINGHOUSE**ELECTRONIC TUBES**SECURITY CLASSIFICATION Confidential

Types 4J70, 4J71, 4J72 and 4J73

Magnetrons

GENERAL CHARACTERISTICSElectrical

Cathode	<u>Unipotential, Coated</u>
Heater Voltage	<u>16.0 Volts</u>
Heater Current	<u>2.8 - 3.4 Amperes</u>
Mechanical Tuning Range	
4J70	<u>3710 - 3540 Megacycles</u>
4J71	<u>3560 - 3390 Megacycles</u>
4J72	<u>3410 - 3240 Megacycles</u>
4J73	<u>3260 - 3090 Megacycles</u>
Magnetic Field Strength	<u>2500 Gauss</u>
Power Output at .0006 Duty Cycle and 70 Amperes	<u>350 Watts</u>

Mechanical

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

MAXIMUM RATINGS

Peak Anode Voltage	<u>30 Kilovolts</u>
Peak Anode Current	<u>70 Amperes</u>
Anode Dissipation	<u>700 Watts</u>
Duty Cycle *	<u>.001</u>
Anode Temperature	<u>125° C</u>
Pulse Duration	<u>2.5 Microseconds</u>

* The tube shall not be operated longer than 5 microseconds in any 100 microsecond interval.

Bloomfield, New Jersey

December 5, 1945

4J70-73

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