

ELECTRONIC TUBE REFERENCE

7521

Specialized - Magnetron electronic tube

CONSOLIDATED TECHNICAL DATA
1 SECTION
CONSTRUCTION
MAGNETRON

Compact tunable X-band pulsed magnetron covering approximately 8.9-9.4 GHz for portable ground and aircraft equipment without external cooling.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	5 V / 450 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Magnetron
No fixed ratings recorded.
Published electrical section from 7521.pdf; identical repeated sections compressed when applicable.

Compact pulsed magnetron tunable over 8900-9400 MHz, intended for small portable ground equipment or aircraft equipment and requiring no external cooling.



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1938 Raytheon

Published test conditions and operating points. Values on this page are preserved as reported by this source.

1938 RAYTHEON

Section 1 · Magnetron

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Pulse Duration cieccananas ceecensssccasssassss	2 μ s	Pulse Duration cieccananas ceecensssccasssassss 2 Microseconds
Peak Anode VOLTage ovesecseessccccccssassss	4.3 kV	Peak Anode VOLTage ovesecseessccccccssassss 4.3 Kilovolts
Voltage Rise TimMe .vcvevaseeatcscasanssnasssesassss	9 μ s	Voltage Rise TimMe .vcvevaseeatcscasanssnasssesassss +09 Microseconds
Peak Anode CUYTEnt ..uoecesassssossnncssssnsnsaase	35 A	Peak Anode CUYTEnt ..uoecesassssossnncssssnsnsaase +35 Amperes
OutPUtuuu.a---aoocoo-.---ococn.--- cc.c	950 W	OutPUtuuu.a---aoocoo-.---ococn.---cc.c 950 Watts Minimum

TUBE TINKER

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and their source documents.

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