

ELECTRONIC TUBE REFERENCE

7577

Specialized - Magnetron electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

MAGNETRON

High-power pulsed magnetron oscillator intended specifically for radar transmitter service and short-duration high-peak-power RF generation.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	3.8 V / 60 A	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Magnetron	
MAXIMUM PLATE VOLTAGE	97000 V
MAXIMUM CATHODE CURRENT	98 A
Published maximum ratings and characteristics promoted from approved source.	

High-power pulsed magnetron oscillator for radar transmitter service.



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
HeaterVoltageNominal	3.8 V	Nominal
HeaterCurrentNominal	60 A	Nominal
Maximum Plate Voltage	97000 V	—
Maximum Cathode Current	98 A	—
PulseService	1	Pulsed magnetron operation

TUBE TINKER

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and their source documents.

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