

ELECTRONIC TUBE REFERENCE

7529

Specialized - Magnetron electronic tube

CONSOLIDATED TECHNICAL DATA
1 SECTION
CONSTRUCTION
MAGNETRON

Mechanically tunable high-power S-band pulsed magnetron oscillator designed specifically for radar transmitter service.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	8.2 V / 78 A	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Magnetron	
MAXIMUM PLATE VOLTAGE	92000 V
MAXIMUM CATHODE CURRENT	98 A
Published maximum ratings and characteristics promoted from approved source.	

Mechanically tunable high-power pulsed S-band magnetron oscillator for radar transmitters.

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	8.2 V	Nominal
HeaterCurrentNominal	78 A	Nominal
Maximum Plate Voltage	92000 V	—
Maximum Cathode Current	98 A	—
PulseService	1	Pulsed magnetron operation

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
FrequencyRange	—	2.7 to 3.1 GHz