

ELECTRONIC TUBE REFERENCE

2J66

Specialized - Magnetron electronic tube

CONSOLIDATED TECHNICAL DATA
1 SECTION
CONSTRUCTION
MAGNETRON

Tunable pulsed magnetron oscillator covering approximately 2.77-2.91 GHz.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	6.3 V / 1.5 A	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Magnetron	
MAXIMUM PLATE VOLTAGE	20000 V
MAXIMUM PLATE DISSIPATION	400 W
MAXIMUM CATHODE CURRENT	25 A
Published ratings and characteristics promoted where clearly stated.	

Tunable pulsed magnetron oscillator in the approximately 2.77-2.91 GHz region.

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

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater or filament voltage	6.3 V	Published nominal value
Heater or filament current	1.5 A	Published nominal value
Frequency range	2766–2905 MHz	Published operating or tuning range
Magnetic field strength	700 gauss	Published operating value

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
RF power output	150000 W	Published operating condition
Maximum anode voltage	20000 V	Published maximum or peak rating
Maximum anode current	25 A	Published peak rating
Maximum anode dissipation	400 W	Published rating