

ELECTRONIC TUBE REFERENCE

2J64

Specialized - Magnetron electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
MAGNETRON

Sperry magnetron designed for pulsed microwave operation with forced-air cooling.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	6.3 V / 1.3 A	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Magnetron
No fixed ratings recorded.
Special microwave/gas-discharge section; published electrical data retained as section parameters.

The 2J64 is a Sperry magnetron for pulsed microwave operation, with published pulse ratings and forced-air cooling.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1945 Sperry

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

1945 SPERRY

Section 1 · Magnetron

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Peak anode voltage	5000 V	Pulse
Peak anode voltage	5000 V	Pulse
Peak anode current	1.5 A	Pulse
Peak anode current	1.5 A	Pulse
Anode dissipation	180 W	SpecifiedDutyCycle
Anode dissipation	180 W	SpecifiedDutyCycle
Duty cycle	0.052	Pulse
Duty cycle	0.052	Pulse