



ELECTRONIC TUBE REFERENCE

3J22

Specialized - Magnetron electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
MAGNETRON

Sylvania pulse magnetron for microwave oscillator service, designed for short-duration high-power RF generation within its specified operating-frequency band.

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

SECTION 1 Magnetron	
MAXIMUM PLATE VOLTAGE	2000 V
<i>Published source values promoted where applicable; additional values retained as parameters.</i>	

Sylvania 3J22 pulse magnetron for microwave operation; the supplied sheet specifies its operating-frequency band and pulsed anode ratings.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1950 Sylvania

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

1950 SYLVANIA

Section 1 · Magnetron

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Operating frequency minimum	4300 MHz	—
Operating frequency maximum	4950 MHz	—
Peak anode voltage typical	1850 V	—