ELECTRONIC TUBE REFERENCE

7208A

Specialized - Magnetron electronic tube

CONSOLIDATED TECHNICAL DATA
1 SECTION
CONSTRUCTION
MAGNETRON

Western Electric 7208-family pulsed magnetron oscillator for high-peak-power microwave generation.

General characteristics

BASE DESIGNATION	–	**BASE PINS**	–
NOMINAL HEATER	12.6 V / 3.25 A	**PARALLEL HEATER**	– / –
HEATING	Indirect	**SERIES OPERATION**	Not specified
CATHODE ARRANGEMENT	Separate cathodes	**SECTION CONSTRUCTION**	Similar

Section ratings

SECTION1 Magnetron

No fixed ratings recorded.

Published promoted values where applicable; special microwave values retained as parameters.

The 7208A is a Western Electric pulsed magnetron oscillator with published microwave operating data.

SOURCE OPERATING CONDITIONS

1960 Western Electric Random 2

SOURCE PDF

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

1960 WESTERN ELECTRIC RANDOM 2

Section 1 · Magnetron

CHARACTERISTICS		
PARAMETER	**PUBLISHED VALUE**	**CONDITION / NOTE**
Frequency range	**15500-17500 MHz**	Tunable
Peak power output	**125 kW**	Pulse

OTHER		
PARAMETER	**PUBLISHED VALUE**	**CONDITION / NOTE**
Peak anode voltage	**20 kV**	Pulse
Peak anode current	**20 A**	Pulse

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