

ELECTRONIC TUBE REFERENCE

7112

Specialized - Magnetron electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

MAGNETRON

Member of the 7110/7111 tunable pulsed-magnetron family, using a different tuning-control arrangement for high-power X-band microwave oscillator service.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	9 V / 14.2 A	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Magnetron	
MAXIMUM CATHODE CURRENT	32 A
Published ratings and characteristics promoted where clearly applicable; additional published values retained as parameters.	

Printed member of the 7110/7111/7112 tunable pulsed-magnetron family; differs chiefly in tuning-control arrangement.

SOURCE OPERATING CONDITIONS

1940 RCA

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

1940 RCA

Section 1 · Magnetron

CHARACTERISTICS

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater or filament voltage	9 V	Published nominal value
Heater or filament current	14.2 A	Published nominal/aggregate value
Frequency range	8500–9600 MHz	Published tuning range

OTHER

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Peak RF power output	230000 W	Pulsed oscillator service

TUBE TINKER

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