ELECTRONIC TUBE REFERENCE

4J52T

Specialized - Magnetron electronic tube

CONSOLIDATED TECHNICAL DATA
1 SECTION
CONSTRUCTION
MAGNETRON

Tunable X-band pulsed magnetron with integral magnet, covering approximately 8.5–9.6 GHz and producing about 70 kW nominal peak output.

General characteristics

BASE DESIGNATION	_	**BASE PINS**	_
NOMINAL HEATER	12.6 V / 2.2 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 ratings and characteristics promoted semantically from the approved source; repeated identical sections compressed where applicable.

Tunable X-band pulsed magnetron with integral magnet, tunable over approximately 8500 to 9600 MHz and about 70 kW nominal peak output.

SOURCE OPERATING CONDITIONS

1958 Compagnie General

SOURCE PDF

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

1958 COMPAGNIE GENERAL

Section 1 · Magnetron

CHARACTERISTIC		
PARAMETER	**PUBLISHED VALUE**	**CONDITION / NOTE**
Frequency Minimum	**8500 MHz**	Tunable
Frequency Maximum	**9600 MHz**	Tunable

OTHER		
PARAMETER	**PUBLISHED VALUE**	**CONDITION / NOTE**
Nominal Peak RF Output	**70 kW**	—
Peak RF Output Minimum	**65 kW**	VSWR < 1.10