ELECTRONIC TUBE REFERENCE

4J47

Specialized - Magnetron electronic tube

CONSOLIDATED TECHNICAL DATA
1 SECTION
CONSTRUCTION
MAGNETRON

Amperex pulsed magnetron designed for radar and other short-pulse high-intensity RF applications, emphasizing high peak microwave power.

General characteristics

BASE DESIGNATION	_	**BASE PINS**	_
NOMINAL HEATER	_ / _	**PARALLEL HEATER**	_ / _
HEATING	Indirect	**SERIES OPERATION**	Not specified
CATHODE ARRANGEMENT	Separate cathodes	**SECTION CONSTRUCTION**	Similar

Section ratings

SECTION1 Magnetron

No fixed ratings recorded.

Amperex pulsed magnetron for radar and other short-pulse high-intensity RF applications.

4J47 is a Magnetron device in the supplied Amperex literature. Amperex pulsed magnetron for radar and other short-pulse high-intensity RF applications. Published ratings, operating points, capacitances, pulse data, or industrial service limits were preserved in the technical output as applicable.

SOURCE OPERATING CONDITIONS

1958 Amperex Industrial

SOURCE PDF

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

1958 AMPEREX INDUSTRIAL

Section 1 · Magnetron

OTHER		
PARAMETER	**PUBLISHED VALUE**	**CONDITION / NOTE**
Frequency	**2785–2820 MHz**	—
Pulsed RF output power	**700 kW**	Pulsed
Average RF output power	**350 W**	Pulsed
Pulsed plate voltage	**25 kV**	Pulsed
Pulsed plate current	**60 A**	Pulsed
Average plate current	**30 mA**	Pulsed
Magnetic field	**2700 Gauss**	—
Duty factor	**0.0005**	Pulsed

TUBE TINKER

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