



ELECTRONIC TUBE REFERENCE

6589

Specialized - Magnetron electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
MAGNETRON

Mechanically tunable pulsed magnetron covering approximately 3.35–3.50 GHz with about 500 kW output.

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

SECTION 1 Magnetron

No fixed ratings recorded.

Mechanically tunable microwave magnetron covering about 3.35-3.50 GHz with 500 kW pulsed output.

Mechanically tunable microwave magnetron covering about 3.35-3.50 GHz with 500 kW pulsed output.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1958 Amperex Industrial

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 minimum	3350 MHz	—
Frequency maximum	3500 MHz	—
Pulsed power output	500 kW	Pulse
Average power output	250 W	—
Pulsed plate voltage	28 kV	Pulse
Pulsed plate current	50 A	Pulse
Average plate current	25 mA	—
Magnetic field	2700 gauss	—
Duty factor	0.0005	—