

ELECTRONIC TUBE REFERENCE

5780

Specialized - Magnetron electronic tube

CONSOLIDATED TECHNICAL DATA
1 SECTION
CONSTRUCTION
MAGNETRON

High-power pulsed magnetron oscillator designed for radar and related short-pulse microwave applications at its specified operating frequency.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	20 V / 4 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 where applicable; additional useful values retained as parameters.

5780: Western Electric/RMA magnetron oscillator with published ratings and operating data. The complete approved datasheet was read semantically, including ratings, characteristics and operating information.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

194X Western Electric Random

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

194X WESTERN ELECTRIC RANDOM

Section 1 · Magnetron

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater/filament voltage	20 V	—
Heater/filament current	4 A	—
Peak power output	250 kW	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Frequency range	8500–9600 Mc/s	—

TUBE TINKER

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and their source documents.

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