

ELECTRONIC TUBE REFERENCE

MCF1165

Specialized - Magnetron electronic tube

CONSOLIDATED TECHNICAL DATA
1 SECTION
CONSTRUCTION
MAGNETRON

Continuous-wave magnetron designed for industrial microwave heating, drying, food processing, or furnace service, with cooling arrangement appropriate to the specific type.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	12 V / 3 A	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Magnetron
No fixed ratings recorded. Specialized microwave-device ratings are preserved densely in TUBE_SECTION_PARAMETER because the locked promoted columns do not directly represent beam/helix/collector/magnetron pulse ratings.

2450 MHz CW magnetron for industrial microwave heating, drying and food processing; forced-air cooled.



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1972 Thomson CSF

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

1972 THOMSON CSF

Section 1 · Magnetron

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Frequency Range	2425–2475 MHz	—
Warm-up Heater Current	2.7 A–3.3 A	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Peak Anode Voltage Maximum	3.7 kV	—
Average Anode Current Maximum	850 mA	—
Peak Anode Current Maximum	3 A	—
Average Applied Power	0.8–3 kW	—
Heater Surge Current Maximum	10 A	—
Typical Output Power	1.6 kW	—
Typical Peak Anode Voltage	3.6 kV	—
Typical Average Anode Current	750 mA	—

TUBE TINKER

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and their source documents.

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