ELECTRONIC TUBE REFERENCE

MCF1166

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; water cooled.

SOURCE OPERATING CONDITIONS

1972 Thomson CSF

SOURCE PDF

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	**2450 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

An independent reference for electronic tubes, vacuum tubes, and their source documents.

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