

ELECTRONIC TUBE REFERENCE

BLM109

Specialized - Magnetron electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
MAGNETRON

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	12.6 V / 1.15 A	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Magnetron
No fixed ratings recorded. Pulsed tunable magnetron: 5.55–5.75 GHz, minimum 25 kW peak RF output, 10 kV maximum peak anode voltage, nominal peak anode current 8.5 A, maximum duty cycle 0.001, nominal pulse duration 0.75 μs, maximum voltage rise rate 70 kV/μs. Heater 12.6 V, 1.15 A.



SOURCE OPERATING CONDITIONS

9999 Mixed I 1000

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

9999 MIXED I 1000

Section 1 · Magnetron

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
FrequencyMinimum	5550 MHz	Documented operating range; wavelength-derived frequencies are approximate
Plate Voltage	10000 V	Pulsed magnetron operating characteristic
FrequencyMaximum	5750 MHz	Documented operating range; wavelength-derived frequencies are approximate
Plate Current	8500 mA	Pulsed magnetron operating characteristic

TUBE TINKER

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and their source documents.

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