



ELECTRONIC TUBE REFERENCE

8245

Power - Beam (NOT sweep) (over 1000V 100W) electronic tube

CONSOLIDATED TECHNICAL
DATA

1 SECTION
CONSTRUCTION
BEAMPOWER

Compact forced-air-cooled external-anode radial-beam tetrode with 250-watt plate dissipation, designed especially for cavity RF operation.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	6 V / —	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Beam Power	
AMPLIFICATION FACTOR	5
MAXIMUM PLATE VOLTAGE	2000 V
MAXIMUM SCREEN VOLTAGE	400 V
MAXIMUM PLATE DISSIPATION	250 W
MAXIMUM SCREEN DISSIPATION	12 W
MAXIMUM GRID DISSIPATION	2 W

The 8245 is one of the Eimac 8245/4CX250K and 8246/4CX250M compact forced-air-cooled external-anode radial-beam tetrodes, rated at 250 W plate dissipation and designed especially for cavity operation.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1962 Eimac

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

1962 EIMAC

Section 1 · Beam Power

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Frequency for Maximum Ratings CW	500 MHz	—
Frequency for Maximum Ratings Pulsed	1500 MHz	—

CAPACITANCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Input Capacitance	25-29 pF	GroundedCathode
Output Capacitance	4.2-6.2 pF	GroundedCathode
Feedback Capacitance	0.056 pF	GroundedCathode

TUBE TINKER

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