



ELECTRONIC TUBE REFERENCE

8809

Power - Tetrode (NOT beam) (over 1000V 100W) electronic tube

CONSOLIDATED TECHNICAL
DATA

1 SECTION
CONSTRUCTION
TETRODE

Forced-air radial-beam tetrode designed for low-distortion linear RF and audio-frequency power amplification, with 600 W plate dissipation and approximately 1.1 kW Class-AB output.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	6 V / 5.4 A	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Tetrode	
TRANSCONDUCTANCE	0.027 S
MAXIMUM PLATE VOLTAGE	3000 V
MAXIMUM SCREEN VOLTAGE	450 V
MAXIMUM PLATE DISSIPATION	600 W
MAXIMUM SCREEN DISSIPATION	16 W
MAXIMUM GRID DISSIPATION	1 W
<i>Promoted values are taken from printed General Characteristics / Maximum Ratings. Additional published conditions and operating data are preserved in parameters.</i>	

Low-distortion forced-air radial-beam power tetrode; shared 8809/4CX600J designation.

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 · Tetrode

CAPACITANCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Input Capacitance	50 pF	—
Output Capacitance	6.3 pF	—
Feedback Capacitance	0.13 pF	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Cathode-Heater Potential Maximum	150 V	—
Maximum DC Plate Current	600 mA	—
Typical Plate Voltage	2500 V	ClassAB
Typical Screen Voltage	350 V	ClassAB
Typical Useful Output Power	1100 W	ClassAB

TUBE TINKER

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and their source documents.

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