

ELECTRONIC TUBE REFERENCE

4CW800F

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

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
TETRODE

Heater variant of the 4CW800B liquid-cooled radial-beam power tetrode for distributed and VHF/UHF power amplification under severe shock and vibration.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	26.5 V / 1.1 A	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Tetrode	
TRANSCONDUCTANCE	0.04 S
MAXIMUM PLATE VOLTAGE	3000 V
MAXIMUM SCREEN VOLTAGE	500 V
MAXIMUM PLATE DISSIPATION	800 W
MAXIMUM SCREEN DISSIPATION	15 W
MAXIMUM GRID DISSIPATION	3 W
Published absolute maximum ratings promoted from the applicable service tables; pulse-service maxima are used only where explicitly noted in the tube note.	

Heater variant of the 4CW800B: ceramic/metal liquid-cooled radial-beam power tetrode for distributed and VHF/UHF power amplifiers, ruggedized for severe shock and vibration.

SOURCE OPERATING CONDITIONS

1962 Eimac

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

1962 EIMAC

Section 1 · Tetrode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater/Filament Voltage	26.5 V	—
Heater/Filament Current	1.1 A	At 26.5 V nominal
Frequency for Maximum Ratings	800 MHz	—
Maximum Plate Voltage	3000 V	Highest published applicable absolute maximum
Maximum Screen Voltage	500 V	Highest published applicable absolute maximum
Maximum Plate Dissipation	800 W	—
Maximum Screen Dissipation	15 W	—
Maximum Grid Dissipation	3 W	—
Maximum DC Plate Current	600 mA	—
Plate Voltage	2500 V	ClassAB;BroadbandRFLinearAmplifier
Screen Voltage	275 V	ClassAB;BroadbandRFLinearAmplifier
Plate Output Power	1000 W	ClassAB;BroadbandRFLinearAmplifier;HighOperatingPoint

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Transconductance	40000 uS	—
Cathode Warmup Time	180 s	—
Input Conductance	0.0001 mho	Ib=600 mA; F=30 MHz

CAPACITANCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Input Capacitance	45 pF	GroundedCathode
Output Capacitance	5.8 pF	GroundedCathode
Feedback Capacitance	0.15 pF	GroundedCathode

TUBE TINKER

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

[Catalog](#) [Tube types](#) [Full books](#) [Blog](#) [Feedback & corrections](#)

© 2026 Tube Tinker