



ELECTRONIC TUBE REFERENCE

8791V1

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

CONSOLIDATED TECHNICAL
DATA

1 SECTION
CONSTRUCTION
TETRODE

Cermolox VHF television-transmitter RF power tetrode designed for high-power linear amplification and peak-sync output service.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	9
NOMINAL HEATER	6.3 V / 7.5 A	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Tetrode	
AMPLIFICATION FACTOR	13
MAXIMUM PLATE VOLTAGE	3000 V
MAXIMUM SCREEN VOLTAGE	750 V
MAXIMUM PLATE DISSIPATION	1000 W
MAXIMUM CATHODE CURRENT	750 mA
<i>Published screen-to-control-grid mu factor promoted.</i>	

Cermolox VHF-TV RF power-amplifier tetrode rated for approximately 1 kW peak sync output.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

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

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Section 1 · Tetrode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater/filament voltage	6.3 V	—
Heater/filament current	7.5 A	—
Maximum plate voltage	3000 V	VHF-TV
Maximum screen voltage	750 V	VHF-TV
Maximum plate current	750 mA	—
Plate dissipation	1000 W	—
Minimum heating time	120 s	—
Full-input frequency	400 MHz	—

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Mu factor	13	GridSystem

APPLICATION		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Application	Grid-modulated Class C VHF-TV RF amplifier	—

TUBE TINKER

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and their source documents.

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