



ELECTRONIC TUBE REFERENCE

5784WA

Voltage - Pentode Sharp Cutoff (single) electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

PENTODE

Ruggedized subminiature dual-control pentode for VHF gated-amplifier, mixer, and gain-controlled amplifier service. Independent control electrodes provide versatile switching and frequency-conversion behavior, while very low capacitances support compact high-frequency military equipment.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	8
NOMINAL HEATER	6.3 V / 200 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Pentode	
PLATE RESISTANCE	500000 Ω
TRANSCONDUCTANCE	0.005 S
MAXIMUM PLATE VOLTAGE	165 V
MAXIMUM SCREEN VOLTAGE	155 V
MAXIMUM PLATE DISSIPATION	0.79 W
MAXIMUM SCREEN DISSIPATION	0.6 W
MAXIMUM CATHODE CURRENT	16.5 mA
MAXIMUM HEATER-CATHODE VOLTAGE	200 V
Published promoted fields populated semantically; identical repeated sections compressed.	

The 5784WA is a heater-cathode subminiature dual-control pentode capable of VHF operation, using its control and suppressor grids independently for gated amplifiers, mixers and gain-control circuits.

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 · Pentode

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum grid-1-to-plate capacitance	0.03 pF	WholeTube
Input capacitance	4.5 pF	WholeTube
Output capacitance	3.6 pF	WholeTube

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum plate voltage	165 V	WholeTube
Maximum screen voltage	155 V	WholeTube
Maximum plate dissipation	0.79 W	WholeTube
Maximum screen dissipation	0.6 W	WholeTube
Maximum cathode current	16.5 mA	WholeTube
Plate voltage	120 V	ClassA1
Screen voltage	120 V	ClassA1
Grid-1 voltage	0 V	ClassA1
Grid-3 voltage	0 V	ClassA1
Cathode bias resistor	230 ohm	ClassA1
Plate current	5.5 mA	ClassA1
Grid-1 transconductance	3200 μS	ClassA1
Screen current	4.1 mA	ClassA1

TUBE TINKER

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

