



ELECTRONIC TUBE REFERENCE

6HA6

Voltage - Pentode Sharp Cutoff (single) electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

PENTODE

High-transconductance sharp-cutoff pentode designed for wide-band television video-output service. Its fixed-gain broadband characteristics make it a video signal tube rather than a conventional audio power pentode.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	9
NOMINAL HEATER	6.3 V / 710 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Pentode	
TRANSCONDUCTANCE	0.018 S
MAXIMUM PLATE VOLTAGE	300 V
MAXIMUM SCREEN VOLTAGE	250 V
MAXIMUM PLATE DISSIPATION	8 W
MAXIMUM SCREEN DISSIPATION	1.5 W
<i>Published ratings/characteristics promoted from supplied source; additional conditions retained in parameter table.</i>	

High-transconductance sharp-cutoff video-output pentode for wide-band television service.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1964 RMA EIA

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

1964 RMA EIA

Section 1 · Pentode

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater Voltage	6.3 V	—
Heater Current	710 mA	—
Application	Wide-band television video amplifier	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate Voltage Maximum	300 V	—
Screen Voltage Maximum	250 V	—
Plate Dissipation Maximum	8 W	—
Screen Dissipation Maximum	1.5 W	—
Plate Voltage	150 V	VideoAmplifier
Screen Voltage	100 V	VideoAmplifier
Plate Current	28 mA	VideoAmplifier

TUBE TINKER

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and their source documents.

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