



ELECTRONIC TUBE REFERENCE

9KC6

Voltage - Pentode electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

PENTODE

Frame-grid dual-control pentode for color-television chroma bandpass, color demodulation, and video amplification with exceptionally high transconductance.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	9
NOMINAL HEATER	8.7 V / 450 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Pentode	
PLATE RESISTANCE	55000 Ω
TRANSCONDUCTANCE	0.024 S
MAXIMUM PLATE VOLTAGE	400 V
MAXIMUM SCREEN VOLTAGE	330 V
MAXIMUM PLATE DISSIPATION	7 W
MAXIMUM SCREEN DISSIPATION	1.5 W

The Sylvania 9KC6 is a frame-grid dual-control pentode for chroma bandpass, color demodulation, and video amplification.

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

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater Voltage	8.7 V	SeriesHeater
Heater Current	450 mA	SeriesHeater
Heater Warm-up Time	11 s	—
Grid1-Plate Capacitance	0.2 pF	—
Grid3-Plate Capacitance	2.2 pF	—
Grid1 Input Capacitance	16.5 pF	—
Plate Voltage	250 V	PrimaryControlGrid1
Screen Voltage	150 V	PrimaryControlGrid1
Plate Current	18 mA	PrimaryControlGrid1
Transconductance Grid1-to-Plate	24000 μ S	—
Transconductance Grid3-to-Plate	500 μ S	—
Plate Resistance	55000 ohm	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum Plate Voltage	400 V	—
Maximum Screen Supply Voltage	330 V	—
Maximum Plate Dissipation	7 W	—
Maximum Screen Dissipation	1.5 W	—

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

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