



ELECTRONIC TUBE REFERENCE

12AF11

Voltage - Dual Triode Pentode electronic tube

CONSOLIDATED TECHNICAL DATA

3 SECTIONS

CONSTRUCTION

PENTODE-TRIODE-TRIODE

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	12.6 V / 450 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Dissimilar

SECTION RATINGS

SECTION1 Triode	
PLATE RESISTANCE	12400 Ω
TRANSCONDUCTANCE	0.0055 S
AMPLIFICATION FACTOR	68
MAXIMUM PLATE VOLTAGE	330 V
MAXIMUM PLATE DISSIPATION	1.1 W

SECTION2 Triode	
PLATE RESISTANCE	9400 Ω
TRANSCONDUCTANCE	0.0044 S
AMPLIFICATION FACTOR	41
MAXIMUM PLATE VOLTAGE	330 V
MAXIMUM PLATE DISSIPATION	2 W

SECTION3 Pentode	
PLATE RESISTANCE	68000 Ω
TRANSCONDUCTANCE	0.011 S
MAXIMUM PLATE VOLTAGE	330 V
MAXIMUM SCREEN VOLTAGE	330 V
MAXIMUM PLATE DISSIPATION	5 W
MAXIMUM SCREEN DISSIPATION	1.25 W

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1970 Sylvania Technical Manual

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

1970 SYLVANIA TECHNICAL MANUAL

Section 1 · Triode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate Voltage	200 V	—
Grid Voltage	-2 V	—
Plate Current	7 mA	—
Grid To Plate Capacitance	1.9 pF	—
Input Capacitance	3 pF	—
Output Capacitance	2.2 pF	—

1970 SYLVANIA TECHNICAL MANUAL

Section 2 · Triode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate Voltage	200 V	—
Plate Current	9.2 mA	—
Grid To Plate Capacitance	3.6 pF	—
Input Capacitance	2.4 pF	—
Output Capacitance	3.8 pF	—

1970 SYLVANIA TECHNICAL MANUAL

Section 3 · Pentode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate Voltage	200 V	—
Screen Voltage	150 V	—
Plate Current	24 mA	—

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Screen Current	4.8 mA	—
Grid To Plate Capacitance	0.12 pF	—
Input Capacitance	10 pF	—
Output Capacitance	4.5 pF	—

TUBE TINKER

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

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