

ELECTRONIC TUBE REFERENCE

4328A

Voltage - Pentode High Frequency (single) electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
PENTODE

Professional carrier-frequency pentode for telecommunications amplification, featuring top-cap control grid and detailed high-frequency capacitance specifications.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	6
NOMINAL HEATER	7.5 V / 425 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Pentode	
TRANSCONDUCTANCE	0.002 S
MAXIMUM PLATE VOLTAGE	250 V
MAXIMUM SCREEN VOLTAGE	180 V
MAXIMUM CATHODE CURRENT	7.5 mA
Ratings and characteristics extracted from 4328A.pdf.	

Pentode.



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1937 Standard Valves

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

1937 STANDARD VALVES

Section 1 · Pentode

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Control-grid to anode capacitance	0.025 pF	—
Suppressor-grid to anode capacitance	1.25 pF	—
Anode to heater/cathode/screen capacitance	2.2 pF	—
Control-grid to suppressor-grid capacitance	1.8 pF	—
Control-grid to heater/cathode/screen capacitance	4 pF	—
Suppressor-grid to heater/cathode/screen capacitance	7.5 pF	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum screen current	2.5 mA	—
Maximum heater-cathode voltage	150 V	—



1946 Standard Telephone and Cables

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

1946 STANDARD TELEPHONE AND CABLES
Section 1 · Pentode

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Nominal heater voltage	7.5 volts	—
Heater curren	0.425 amps	—
Mutual conductance	-9 mA	—
;‘Ict:zl::ll c?ilziductance Va250V Vg,	180 V	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Curren	425 mA	—
Nominal voltage	7.5 v	—
Control grid to anode	0.025 uuF	—
Grid to Anode	0.03 pF	—
Vp =	250 v	—
0Qutpu	14 pF	—
Vg1 =	-55 v	—
Maximum direct anode voltage	250 v	—
Maximum direct anode voltage	250 volts	—
Maximum direct anode curren	75 mA	—
Maximum direct screen voltage	180 volts	—
Maximum direct screen voltage	180 v	—
Maximum cathode curren	10 mA	—
Maximum direct screen cyrrn	2.5 mA	—
Maximum screen curren	2.5 mA	—
June 1946	5 A	—

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
135 135 135 135 135 135 180 180 225 225 250 250 250	250 volts	—
(4328D)	4328 A	—
135 135 135 135 135 135 135 135 135 135 135 135 135	135 volts	—
BASING	4328 A	—
-3 -3 -3 -3 -3 -3 -3 -3 - 3 -3 -3	-3 volts	—
June 1946	5 A	—
0 0 0 0 0 0 0 0 0	0 volts	—
54 5.4 54 54 54 54 5.4 55 5- 5 5-5 55 5-5	55 mA	—
Iz HEATER VOLTAGE	7.5 VOLTS	—
xE V=	75 VOLTS	—
LJ Vp=135 VOLTS	10000 OHMS	—
2« Vee:135 VOLTS 2	20000 OHMS	—
Q 2400} vg5	0 volts	—
Vi =	7.5 VOLTS	—
Ve = I35 VOLTS I	10000 OHMS	—
Vg, =135 VOLTS 2	20000 OHMS	—
Vg,	-3 VOLTS	—
Vgs= 0 VOLTS 4	60000 OHMS	—
< 5	80000 OHMS	—
oI Vve-135 volts	10000 OHMS	—
P Vg,=135 VOLTS 2	20 OHMS	—
zZz \69	-3 VOLTS	—
Z < 6	100 OHMS	—
D Ve	2 A	—

TUBE TINKER

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

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