

ELECTRONIC TUBE REFERENCE

15DQ8

Voltage - Triode Pentode electronic tube

CONSOLIDATED TECHNICAL DATA

2 SECTIONS

CONSTRUCTION

PENTODE-TRIODE

Television triode-pentode combining synchronization and control functions with signal amplification in color and black-and-white receivers.

GENERAL CHARACTERISTICS

BASE DESIGNATION	9HX	BASE PINS	9
NOMINAL HEATER	15 V / 300 mA	PARALLEL HEATER	– / –
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Dissimilar

9HX - TERMINAL PINOUT

TERMINAL	SECTION	ELEMENT	STATUS
PIN1	B	G1 – Control Grid	CONNECTED
PIN2	B	P – Plate (Anode)	CONNECTED
PIN3	B	K – Cathode	CONNECTED
PIN4	–	H – Heater	CONNECTED
PIN5	–	H – Heater	CONNECTED
PIN6	A	P – Plate (Anode)	CONNECTED
PIN7	A	G3 – Suppressor Grid	CONNECTED
PIN7	A	K – Cathode	CONNECTED
PIN7	–	IS – Internal Screen	CONNECTED
PIN8	A	G1 – Control Grid	CONNECTED
PIN9	A	G2 – Screen Grid	CONNECTED

SECTION RATINGS

SECTION1 Triode	
PLATE RESISTANCE	16200 Ω
TRANSCONDUCTANCE	0.004 S
AMPLIFICATION FACTOR	65
MAXIMUM PLATE DISSIPATION	1 W
<i>Published ratings and characteristics promoted from the supplied Rogers/Rogers Majestic source.</i>	

SECTION2 Pentode	
PLATE RESISTANCE	150000 Ω
TRANSCONDUCTANCE	0.0095 S
MAXIMUM PLATE VOLTAGE	250 V
MAXIMUM SCREEN VOLTAGE	250 V
MAXIMUM PLATE DISSIPATION	4 W
MAXIMUM SCREEN DISSIPATION	1.7 W
MAXIMUM CATHODE CURRENT	40 mA
<i>Published ratings and characteristics promoted from the supplied Rogers/Rogers Majestic source.</i>	

Miniature type used in color and black-and-white tele- Kr G1p (7) vision receiver applications. The triode unit is used as a sync-separator, sync-amplifier, keyed-age, or noise- (I/Ot/C^?/® G * i PT suppressor tube. The pentode unit is used as a video- output tube. Outlines section, 6E; requires miniature Gt G2 p 9-contact socket. 9HX



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1959 Rogers

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

1959 ROGERS

Section 1 · Triode

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
HeaterOrFilamentVoltage	15 V	—
HeaterOrFilamentCurrent	300 mA	—
Application	Keyed AGC	—

1959 ROGERS

Section 2 · Pentode

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Application	Video output	—



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1975 RCA RC30

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

1975 RCA RC30

Section 1 · Triode

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater Voltage (ac/dc)	15 volts	Published value from supplied target entry
Heater Current	0.3 ampere	Published value from supplied target entry
Plate Supply Voltage	650 volts	Published value from supplied target entry
Plate Voltage	250 volts	Published value from supplied target entry

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Grid-No	550 volts	Published value from supplied target entry
Grid-No	250 volts	Published value from supplied target entry
Cathode Current	40 mA	Published value from supplied target entry
Plate Dissipation	4 watts	Published value from supplied target entry
Grid-No	1.7 watts	Published value from supplied target entry
Plate Voltage	200	Published value from supplied target entry
Grid-No	220 volts	Published value from supplied target entry
Grid-No.1 Voltage	-3.4 volts	Published value from supplied target entry
Amplification Factor	65	Published value from supplied target entry
Mu-Factor, Grid-No	36	Published value from supplied target entry
Plate Resistance (Approx.)	0.1	Published value from supplied target entry
Transconductance	10000 mhos	Published value from supplied target entry
Plate Current	18 mA	Published value from supplied target entry
Grid-No	3 mA	Published value from supplied target entry
Plate Supply Voltage	220	Published value from supplied target entry
Grid-No	220	Published value from supplied target entry
Grid-No	3.1 mA	Published value from supplied target entry

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Peak Heater-Cathode Voltage ±	200 volts	Published value from supplied target entry

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