



ELECTRONIC TUBE REFERENCE

26C6

Voltage - Triode (with diode, heptode or hexode) electronic tube

CONSOLIDATED TECHNICAL
DATA

3 SECTIONS

CONSTRUCTION

DIODE-DIODE-TRIODE

Double-diode low-mu triode combining detector functions with a comparatively strong current-driving amplifier. Paired diodes provide signal and control rectification while the triode offers low plate resistance.

GENERAL CHARACTERISTICS

BASE DESIGNATION	7BT	BASE PINS	7
NOMINAL HEATER	26.5 V / 70 mA	PARALLEL HEATER	– / –
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Common cathode	SECTION CONSTRUCTION	Dissimilar

7BT - TERMINAL PINOUT

TERMINAL	SECTION	ELEMENT	STATUS
PIN1 – 1G1	A	G1 – Control Grid	CONNECTED
PIN2 – K	A	K – Cathode	CONNECTED
PIN3 – H	–	H – Heater	CONNECTED
PIN4 – H	–	H – Heater	CONNECTED
PIN5 – 2P	B	P – Plate (Anode)	CONNECTED
PIN6 – 3P	C	P – Plate (Anode)	CONNECTED
PIN7 – 1P	A	P – Plate (Anode)	CONNECTED

SECTION RATINGS

SECTION1 Diode	
MAXIMUM PLATE VOLTAGE	250 V
<i>Published promoted values applied where semantically applicable; additional table values retained in section parameters.</i>	

SECTION2 Diode	
<i>No fixed ratings recorded.</i>	
<i>Published maximum ratings, representative operating conditions, rectifier service data, and capacitance columns reviewed.</i>	

SECTION3 Triode	
PLATE RESISTANCE	8500 Ω
TRANSCONDUCTANCE	0.0019 S
AMPLIFICATION FACTOR	16
MAXIMUM PLATE VOLTAGE	250 V
<i>Published maximum ratings, representative operating conditions, rectifier service data, and capacitance columns reviewed.</i>	

Twin-diode medium-mu triode for aircraft-receiver detector, AVC, and amplifier service.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

195X General Electric Essential Characteristics

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

195X GENERAL ELECTRIC ESSENTIAL CHARACTERISTICS

Section 3 · Triode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum plate voltage	250 V	Published handbook rating
Plate voltage	250 V	ClassA
Control-grid bias	9 V	ClassA
Plate current	9.5 mA	ClassA
Low-voltage plate supply	26.5 V	LowVoltageOperation
Low-voltage plate current	1.1 mA	LowVoltageOperation
Grid resistor	2000000 ohm	LowVoltageOperation

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate resistance	8500 ohm	Published handbook characteristic
Transconductance	1900 μ S	Published handbook characteristic
Amplification factor	16	Published handbook characteristic
Heater/filament voltage	26.5 V	Published heater/filament rating
Heater/filament current	70 mA	Published heater/filament rating
Low-voltage plate resistance	15500 ohm	LowVoltageOperation
Low-voltage transconductance	1100 μ S	LowVoltageOperation
Low-voltage amplification factor	17	LowVoltageOperation

CAPACITANCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Input capacitance	1.8 pF	Published capacitance column

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Output capacitance	1.4 pF	Published capacitance column
Grid-to-plate capacitance	2 pF	Published capacitance column


SOURCE DATA APPENDIX

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1960 RCA Industrial and Communications Types

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

1960 RCA INDUSTRIAL AND COMMUNICATIONS TYPES

Section 1 · Diode

APPLICATION		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Application	Detector / AVC	—

1960 RCA INDUSTRIAL AND COMMUNICATIONS TYPES

Section 3 · Triode

APPLICATION		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Application	Audio / signal amplifier	—


SOURCE DATA APPENDIX

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1971 RCA HB3 Binder 3 of 7

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

1971 RCA HB3 BINDER 3 OF 7

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Voltage	26.5 V	Published datasheet value; multiple numbers on one source row represent separate limits or operating conditions.
Current – published value 1	0	Published datasheet value; multiple numbers on one source row represent separate limits or operating conditions.
Current – published value 2	7	Published datasheet value; multiple numbers on one source row represent separate limits or operating conditions.
Triode Unit: Grid to Plate	2	Published datasheet value; multiple numbers on one source row represent separate limits or operating conditions.
Grid to Cathode & Heater	1.8	Published datasheet value; multiple numbers on one source row represent separate limits or operating conditions.
Plate to Cathode d Heater	1.4	Published datasheet value; multiple numbers on one source row represent separate limits or operating conditions.
Pin 1 -Triode Grid – published value 1	1	Published datasheet value; multiple numbers on one source row represent separate limits or operating conditions.
Pin 1 -Triode Grid – published value 2	5	Published datasheet value; multiple numbers on one source row represent separate limits or operating conditions.
Pin 2 -Cathode – published value 1	2	Published datasheet value; multiple numbers on one source row represent separate limits or operating conditions.
Pin 2 -Cathode – published value 2	6	Published datasheet value; multiple numbers on one source row represent separate limits or operating conditions.
~ Pin 7 -Triode Plate	7	Published datasheet value; multiple numbers on one source row represent separate limits or operating conditions.
Plate Voltage – published value 1	26.5 V	Published datasheet value; multiple numbers on one source row represent separate limits or operating conditions.
Plate Voltage – published value 2	250 V	Published datasheet value; multiple numbers on one source row represent separate limits or operating conditions.

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
From a grid resistor of	2 Mohm	Published datasheet value; multiple numbers on one source row represent separate limits or operating conditions.
Plate Resistance – published value 1	15500 ohm	Published datasheet value; multiple numbers on one source row represent separate limits or operating conditions.
Plate Resistance – published value 2	8500 ohm	Published datasheet value; multiple numbers on one source row represent separate limits or operating conditions.
Transconductance – published value 1	1100	Published datasheet value; multiple numbers on one source row represent separate limits or operating conditions.
Transconductance – published value 2	1900	Published datasheet value; multiple numbers on one source row represent separate limits or operating conditions.
Plate Current – published value 1	1.1 mA	Published datasheet value; multiple numbers on one source row represent separate limits or operating conditions.
Plate Current – published value 2	9.5 mA	Published datasheet value; multiple numbers on one source row represent separate limits or operating conditions.
See RESISTANCE-COUPLED AMPLIFIER CHART, Type 6R7	6	Published datasheet value; multiple numbers on one source row represent separate limits or operating conditions.

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
PLATE VOLTAGE	250 V	Published datasheet value; multiple numbers on one source row represent separate limits or operating conditions.
PLATE DISSIPATION	2.5 mA	Published datasheet value; multiple numbers on one source row represent separate limits or operating conditions.
Heater negative with respect to cathode	90 V	Published datasheet value; multiple numbers on one source row represent separate limits or operating conditions.
Heater positive with respect to cathode	90 V	Published datasheet value; multiple numbers on one source row represent separate limits or operating conditions.