

ELECTRONIC TUBE REFERENCE

26A7GT

Power - Beam (NOT sweep) electronic tube

CONSOLIDATED TECHNICAL DATA

2 SECTIONS

CONSTRUCTION

BEAMPOWER-BEAMPOWER

Twin beam-power amplifier designed for push-pull or parallel output service in aircraft and mobile equipment operating from approximately 28-volt heater and plate supplies.

GENERAL CHARACTERISTICS

BASE DESIGNATION	8BU	BASE PINS	8
NOMINAL HEATER	26.5 V / 600 mA	PARALLEL HEATER	– / –
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Common cathode	SECTION CONSTRUCTION	Similar

8BU - TERMINAL PINOUT

TERMINAL	SECTION	ELEMENT	STATUS
PIN1 – 1G1	A	G1 – Control Grid	CONNECTED
PIN2 – 1G3	A	G3 – Suppressor Grid	CONNECTED
PIN2 – K	A	K – Cathode	CONNECTED
PIN2 – 2G3	B	G3 – Suppressor Grid	CONNECTED
PIN3 – 2G1	B	G1 – Control Grid	CONNECTED
PIN4 – 2P	B	P – Plate (Anode)	CONNECTED
PIN5 – 1G2	A	G2 – Screen Grid	CONNECTED
PIN5 – 2G2	B	G2 – Screen Grid	CONNECTED
PIN6 – H	–	H – Heater	CONNECTED
PIN7 – H	–	H – Heater	CONNECTED
PIN8 – 1P	A	P – Plate (Anode)	CONNECTED

SECTION RATINGS

SECTION1 Beam Power	
TRANSCONDUCTANCE	0.0057 S
MAXIMUM PLATE VOLTAGE	50 V
MAXIMUM SCREEN VOLTAGE	50 V
MAXIMUM PLATE DISSIPATION	2 W
MAXIMUM SCREEN DISSIPATION	0.5 W
MAXIMUM HEATER-CATHODE VOLTAGE	90 V
<i>Representative row for two identical beam-power units.</i>	

SECTION2 Beam Power	
TRANSCONDUCTANCE	0.0057 S
MAXIMUM PLATE VOLTAGE	50 V
<i>Published promoted values applied where semantically applicable; additional table values retained in section parameters.</i>	

The 26A7GT is a cathode-type twin beam-power amplifier intended for push-pull or parallel-connected output service in aircraft or mobile equipment where both heater and plate supplies are limited to about 28 volts.

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 1 · Beam Power

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum plate voltage	50 V	Published handbook rating
Maximum screen voltage	50 V	Published handbook rating
Plate voltage	26.5 V	ClassA
Screen voltage	26.5 V	ClassA
Control-grid bias	4.5 V	ClassA
Plate current	20 mA	ClassA
Screen current	1.9 mA	ClassA
Load resistance	1500 ohm	ClassA
Power output	0.18 W	ClassA

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Transconductance	5700 μ S	Published handbook characteristic
Heater/filament voltage	26.5 V	Published heater/filament rating
Heater/filament current	600 mA	Published heater/filament rating

CAPACITANCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Input capacitance	16 pF	Published capacitance column
Output capacitance	13 pF	Published capacitance column
Grid-to-plate capacitance	1.2 pF	Published capacitance column



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 · Beam Power

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate voltage	50 V	ClassA1
Screen supply	26.5 V	ClassA1
Grid bias	-4.5 V	ClassA1
Screen current	1.9 mA	ClassA1
Plate current	20 mA	ClassA1
Power output	0.18 W	ClassA1
Grid bias	-7 V	ClassAB
Screen current	2 mA	ClassAB
Plate current	19 mA	ClassAB
Power output	0.54 W	ClassAB



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1961 Tung Sol

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

1961 TUNG SOL

Section 1 · Beam Power

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum Signal Power Output	165 mW	ClassA1;EachUnit

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum Signal Power Output	500 mW	ClassB;TwoUnits



SOURCE DATA APPENDIX

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1966 Tung Sol Electronic Tubes 3 of 4

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

1966 TUNG SOL ELECTRONIC TUBES 3 OF 4

Section 1 · Beam Power

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Grid-to-plate capacitance each unit	1.2 pF	WholeTube
Input capacitance each unit	16 pF	WholeTube
Output capacitance each unit	13 pF	WholeTube

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate voltage each unit	50 V	WholeTube
Screen voltage each unit	50 V	WholeTube
Plate dissipation each unit	2 W	WholeTube
Screen dissipation each unit	0.5 W	WholeTube
Plate voltage	26.5 V	ClassA1 OneTube
Transconductance	5700 μ S	ClassA1 OneTube
Load resistance	1500 ohm	ClassA1 OneTube
Maximum signal power output	0.165 W	ClassA1 OneTube
Plate voltage	26.5 V	PushPull ClassAB1 TwoTubes



SOURCE DATA APPENDIX

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
Section 1 · Beam Power

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	0.6	Published datasheet value; multiple numbers on one source row represent separate limits or operating conditions.
Grid No.1 to plate•	12	Published datasheet value; multiple numbers on one source row represent separate limits or operating conditions.
grid No.2, and heater•	16	Published datasheet value; multiple numbers on one source row represent separate limits or operating conditions.
grid No.2, and heater•	13	Published datasheet value; multiple numbers on one source row represent separate limits or operating conditions.
grid No.1 of unit No.2	2	Published datasheet value; multiple numbers on one source row represent separate limits or operating conditions.
plate of unit No.2	2	Published datasheet value; multiple numbers on one source row represent separate limits or operating conditions.
plate of unit No.1	2	Published datasheet value; multiple numbers on one source row represent separate limits or operating conditions.
Pin 1 - Grid No.1 of – published value 1	1	Published datasheet value; multiple numbers on one source row represent separate limits or operating conditions.
Pin 1 - Grid No.1 of – published value 2	4	Published datasheet value; multiple numbers on one source row represent separate limits or operating conditions.
No.1 & No.2	6	Published datasheet value; multiple numbers on one source row represent separate limits or operating conditions.

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Pin 3 - Grid No.1 of – published value 1	3	Published datasheet value; multiple numbers on one source row represent separate limits or operating conditions.
Pin 3 - Grid No.1 of – published value 2	7	Published datasheet value; multiple numbers on one source row represent separate limits or operating conditions.
Unit No.2	8	Published datasheet value; multiple numbers on one source row represent separate limits or operating conditions.
PLATE VOLTAGE	50 V	Published datasheet value; multiple numbers on one source row represent separate limits or operating conditions.
Plate Voltage – published value 1	26 V	Published datasheet value; multiple numbers on one source row represent separate limits or operating conditions.
Plate Voltage – published value 2	5 V	Published datasheet value; multiple numbers on one source row represent separate limits or operating conditions.
Grid-No.2 Voltage – published value 1	26 V	Published datasheet value; multiple numbers on one source row represent separate limits or operating conditions.
Grid-No.2 Voltage – published value 2	5 V	Published datasheet value; multiple numbers on one source row represent separate limits or operating conditions.
Grid-No.1 (Control rid) Voltage – published value 1	-4 V	Published datasheet value; multiple numbers on one source row represent separate limits or operating conditions.
Grid-No.1 (Control rid) Voltage – published value 2	5 V	Published datasheet value; multiple numbers on one source row represent separate limits or operating conditions.
Peak AF Grid~Jo.1 Voltage	45 V	Published datasheet value; multiple numbers on one source row represent separate limits or operating conditions.
Zero-Signal Plate Current	20 mA	Published datasheet value; multiple numbers on one source row represent separate limits or operating conditions.
Zero-Signal Grid-No.2 Current – published value 1	1 mA	Published datasheet value; multiple numbers on one source row represent separate limits or operating conditions.
Zero-Signal Grid-No.2 Current – published value 2	9 mA	Published datasheet value; multiple numbers on one source row represent separate limits or operating conditions.

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Transconductance	5700	Published datasheet value; multiple numbers on one source row represent separate limits or operating conditions.
Load Resistance	1500 ohm	Published datasheet value; multiple numbers on one source row represent separate limits or operating conditions.
GRID-No.2 (SCREEN) VOLTAGE	50 V	Published datasheet value; multiple numbers on one source row represent separate limits or operating conditions.
Grid-No.1 (Control-Grid) Voltage	-7 V	Published datasheet value; multiple numbers on one source row represent separate limits or operating conditions.
Grid No.1 Voltage	14 V	Published datasheet value; multiple numbers on one source row represent separate limits or operating conditions.
Zero-Signal Plate Current	19 mA	Published datasheet value; multiple numbers on one source row represent separate limits or operating conditions.
Zero-Signal Grid-No.2 Current (Approx.)	2 mA	Published datasheet value; multiple numbers on one source row represent separate limits or operating conditions.
(Plate to plate)	2500 ohm	Published datasheet value; multiple numbers on one source row represent separate limits or operating conditions.
HEATER VOLTS=GRID-Ns2 VOLTS=26.5	26.5 V	Published datasheet value; multiple numbers on one source row represent separate limits or operating conditions.
HEATER VOLTS =26.5	26.5 V	Published datasheet value; multiple numbers on one source row represent separate limits or operating conditions.

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
GRID-No.2 (SCREEN) VOLTAGE	50 V	Published datasheet value; multiple numbers on one source row represent separate limits or operating conditions.
PLATE DISSIPATION	2 mA	Published datasheet value; multiple numbers on one source row represent separate limits or operating conditions.
GRID-No.2 INPUT – published value 1	0 mA	Published datasheet value; multiple numbers on one source row represent separate limits or operating conditions.

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
GRID-No.2 INPUT – published value 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.
Max.-Signal Plate Current – published value 1	20 mA	Published datasheet value; multiple numbers on one source row represent separate limits or operating conditions.
Max.-Signal Plate Current – published value 2	5 mA	Published datasheet value; multiple numbers on one source row represent separate limits or operating conditions.
Max.-Signal Grid-No.2 Current	55 mA	Published datasheet value; multiple numbers on one source row represent separate limits or operating conditions.
Max.-Signal Power Output	180	Published datasheet value; multiple numbers on one source row represent separate limits or operating conditions.
With cathode bias – published value 1	0 mA	Published datasheet value; multiple numbers on one source row represent separate limits or operating conditions.
With cathode bias – published value 2	5 mA	Published datasheet value; multiple numbers on one source row represent separate limits or operating conditions.
With fixed bias – published value 1	0 mA	Published datasheet value; multiple numbers on one source row represent separate limits or operating conditions.
With fixed bias – published value 2	1 mA	Published datasheet value; multiple numbers on one source row represent separate limits or operating conditions.
With grid-resistor bias – published value 1	0 mA	Published datasheet value; multiple numbers on one source row represent separate limits or operating conditions.
With grid-resistor bias – published value 2	5 mA	Published datasheet value; multiple numbers on one source row represent separate limits or operating conditions.
PLATE VOLTAGE	50 V	Published datasheet value; multiple numbers on one source row represent separate limits or operating conditions.

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
PLATE DISSIPATION (Per unit)	2 mA	Published datasheet value; multiple numbers on one source row represent separate limits or operating conditions.
GRID-No.2 INPUT (Per unit) – published value 1	0 mA	Published datasheet value; multiple numbers on one source row represent separate limits or operating conditions.
GRID-No.2 INPUT (Per unit) – published value 2	5 mA	Published datasheet value; multiple numbers on one source row represent separate limits or operating conditions.
Max.–Signal Plate Current	30 mA	Published datasheet value; multiple numbers on one source row represent separate limits or operating conditions.
Max.–Signal Grid–No.2 Current (Approx.)	8.5 mA	Published datasheet value; multiple numbers on one source row represent separate limits or operating conditions.
Max.–Signal Power Output	500	Published datasheet value; multiple numbers on one source row represent separate limits or operating conditions.
With cathode bias	0.5 mA	Published datasheet value; multiple numbers on one source row represent separate limits or operating conditions.
With fixed bias	0.1 mA	Published datasheet value; multiple numbers on one source row represent separate limits or operating conditions.
With grid–resistor bias	0.5 mA	Published datasheet value; multiple numbers on one source row represent separate limits or operating conditions.

TUBE TINKER

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

[Catalog](#) [Tube types](#) [Full books](#) [Blog](#) [Feedback & corrections](#)

© 2026 Tube Tinker