



ELECTRONIC TUBE REFERENCE

8226

Power - Beam (NOT sweep) (over 1000V 100W) electronic tube

CONSOLIDATED TECHNICAL
DATA

1 SECTION
CONSTRUCTION
BEAMPOWER

Integral-radiator beam-power transmitting tube designed for UHF RF power service and high-frequency power amplification.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	6.3 V / 3.2 A	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Beam Power	
MAXIMUM PLATE VOLTAGE	2500 V
MAXIMUM SCREEN VOLTAGE	400 V
MAXIMUM PLATE DISSIPATION	300 W
<i>Electrical section extracted from supplied RCA data sheet.</i>	

Integral-radiator beam-power transmitting tube for UHF RF power service. The supplied RCA sheet was used for published ratings, characteristics, operating conditions, and capacitances where present.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1971 RCA HB3 Binder 6 of 7

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

1971 RCA HB3 BINDER 6 OF 7

Section 1 · Beam Power

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater/filament voltage nominal	6.3 V	WholeTube
Heater/filament current nominal	3.2 A	WholeTube
Grid No	1 pF	Published source row
Grid No (value 2)	0.065 pF	Published source row
Grid No	1 pF	Published source row
Grid No (value 2)	15 pF	Published source row
Plate to cathode & heater	0.019 pF	Published source row
Grid No	1 pF	Published source row
Grid No (value 2)	2 pF	Published source row
Grid No (value 3)	20 pF	Published source row
Grid No	2 pF	Published source row
Grid No (value 2)	3.2 pF	Published source row
Grid No	2 pF	Published source row
Grid No (value 2)	1.3 pF	Published source row
~~ G1 -Grid-No	1	Published source row
G2 -Grid-No	2	Published source row
Plate, Grid No	2	Published source row
Plate, Grid No (value 2)	1	Published source row
~ Cathode, and Heater Temperature°	250	Published source row
Radiator Core Temperature°	250	Published source row
ator core temperature to	250	Published source row

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
tion of plate, grid-No	2	Published source row
For	100 %	Published source row
Frequency (cpsl	60	Published source row
Frequency (cpsl (value 2)	60	Published source row
Frequency (cpsl (value 3)	400	Published source row
Frequency (cpsl (value 4)	400	Published source row
Voltage Iv1	1	Published source row
Voltage Iv1 (value 2)	15	Published source row
Voltage Iv1 (value 3)	220	Published source row
Voltage Iv1 (value 4)	1	Published source row
Voltage Iv1 (value 5)	15	Published source row
Voltage Iv1 (value 6)	20	Published source row
For	80 %	Published source row
Frequency Icps)	60	Published source row
Frequency Icps) (value 2)	60	Published source row
Frequency Icps) (value 3)	400	Published source row
Voltage (v1	1	Published source row
Voltage (v1 (value 2)	15	Published source row
Voltage (v1 (value 3)	220	Published source row
Voltage (v1 (value 4)	1	Published source row
Voltage (v1 (value 5)	15	Published source row
Voltage (v1 (value 6)	200	Published source row
For	60 %	Published source row
Frequency lcps)	60	Published source row
Frequency lcps) (value 2)	60	Published source row
Frequency lcps) (value 3)	400	Published source row
Frequency lcps) (value 4)	400	Published source row
Voltage Iv)	1	Published source row
Voltage Iv) (value 2)	15	Published source row
Voltage Iv) (value 3)	220	Published source row
Voltage Iv) (value 4)	1	Published source row
Voltage Iv) (value 5)	15	Published source row

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Voltage Iv) (value 6)	200	Published source row

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
INTEGRAL RADIA7	0 W	Published source row
INTEGRAL RADIA7 (value 2)	340 W	Published source row
INTEGRAL RADIA7 (value 3)	400 W	Published source row
MATRIX-TYPE CATHODE	105 W	Published source row
MATRIX-TYPE CATHODE (value 2)	1215 W	Published source row
Voltage (AC or CC)	8 V	Published source row
Voltage (AC or CC) (value 2)	6.3 V	Published source row
Current at heater volts =	6.3 V	Published source row
Current at heater volts = (value 2)	3.2 V	Published source row
Minimum heating time	60 s	Published source row
Mu-Factor, Grid No	2	Published source row
Mu-Factor, Grid No (value 2)	1	Published source row
for plate volts =	250 V	Published source row
for plate volts = (value 2)	2 V	Published source row
DC PLATE VOLTAGE	2500 V	Published source row
DC GRID-No	2 V	Published source row
DC GRID-No (value 2)	400 V	Published source row
DC GRID-No.1 VOLTAGE	-200 V	Published source row
DC PLATE CURRENT	250 mA	Published source row
DC GRID-No.1 CURRENT	30 mA	Published source row
GRID-No	2 W	Published source row
GRID-No (value 2)	10 W	Published source row
PLATE DISSIPATION	300 W	Published source row
DC Plate Voltage	2500 V	Published source row
DC Plate Voltage (value 2)	1250 V	Published source row
DC Grid-No	2 V	Published source row
DC Grid-No (value 2)	250 V	Published source row

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
DC Grid-No (value 3)	300 V	Published source row
DC Grid-No.l Voltagef	-15 V	Published source row
DC Grid-No.l Voltagef (value 2)	30 V	Published source row
DC Plate Current	250 mA	Published source row
DC Plate Current (value 2)	250 mA	Published source row
DC Grid-No	2 mA	Published source row
DC Grid-No (value 2)	2 mA	Published source row
DC Grid-No (value 3)	1 mA	Published source row
/+~ DC Grid-No.l Current	15 mA	Published source row
/+~ DC Grid-No.l Current (value 2)	7 mA	Published source row
t1 Driver Power Output (Approx.)	9 W	Published source row
t1 Driver Power Output (Approx.) (value 2)	5 W	Published source row
t1 Driver Power Output (Approx.) (value 3)	10 W	Published source row
"Output-Circuit Efficiency	90 %	Published source row
"Output-Circuit Efficiency (value 2)	60 %	Published source row
Useful Power Outpuh	340 W	Published source row
Useful Power Outpuh (value 2)	105 W	Published source row
Grid-No.l Circuit Resistance	30000 ohm	Published source row
~, , Grid-No	2 ohm	Published source row

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