



ELECTRONIC TUBE REFERENCE

8825

Power - Beam (NOT sweep) electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

BEAMPOWER

High-power beam tube intended for professional RF transmitting service, with substantial voltage, current, and dissipation capability for communications or industrial power amplification.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	9
NOMINAL HEATER	6 V / 16.4 A	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Beam Power

No fixed ratings recorded.

Published promoted values applied where semantically applicable; additional source-table values retained in TUBE_SECTION_PARAMETER.

Beam-power tube for audio or RF power-amplifier service. The supplied datasheet was reviewed for heater/filament data, maximum ratings, characteristics, typical operating conditions, capacitances, and construction details.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

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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
Frequency Range – published value 1	566	Published datasheet value; multiple numbers on a source row represent separate limits or operating conditions.
Frequency Range – published value 2	698	Published datasheet value; multiple numbers on a source row represent separate limits or operating conditions.
Heater Idc or 50-60 Hzl – published value 1	50	Published datasheet value; multiple numbers on a source row represent separate limits or operating conditions.
Heater Idc or 50-60 Hzl – published value 2	60	Published datasheet value; multiple numbers on a source row represent separate limits or operating conditions.
Voltages – published value 1	6 V	Published datasheet value; multiple numbers on a source row represent separate limits or operating conditions.
Voltages – published value 2	0.5 V	Published datasheet value; multiple numbers on a source row represent separate limits or operating conditions.
Load VSWR – published value 1	1.5	Published datasheet value; multiple numbers on a source row represent separate limits or operating conditions.
Load VSWR – published value 2	1	Published datasheet value; multiple numbers on a source row represent separate limits or operating conditions.
Collector Voltage, DCf – published value 1	0 V	Published datasheet value; multiple numbers on a source row represent separate limits or operating conditions.
Collector Voltage, DCf – published value 2	0 V	Published datasheet value; multiple numbers on a source row represent separate limits or operating conditions.

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Body Voltage, DC – published value 1	0 V	Published datasheet value; multiple numbers on a source row represent separate limits or operating conditions.
Body Voltage, DC – published value 2	0 V	Published datasheet value; multiple numbers on a source row represent separate limits or operating conditions.
Beam Current, DC – published value 1	4.7	Published datasheet value; multiple numbers on a source row represent separate limits or operating conditions.
Beam Current, DC – published value 2	2.4	Published datasheet value; multiple numbers on a source row represent separate limits or operating conditions.
Body Current, DCg – published value 1	70 mA	Published datasheet value; multiple numbers on a source row represent separate limits or operating conditions.
Body Current, DCg – published value 2	15 mA	Published datasheet value; multiple numbers on a source row represent separate limits or operating conditions.
Modulating Anode Voltage, DC – published value 1	0 V	Published datasheet value; multiple numbers on a source row represent separate limits or operating conditions.
Modulating Anode Voltage, DC – published value 2	-6 V	Published datasheet value; multiple numbers on a source row represent separate limits or operating conditions.
Modulating Anode Current, DC – published value 1	1.5 mA	Published datasheet value; multiple numbers on a source row represent separate limits or operating conditions.
Modulating Anode Current, DC – published value 2	1 mA	Published datasheet value; multiple numbers on a source row represent separate limits or operating conditions.
Cathode Voltage, DC – published value 1	-18 V	Published datasheet value; multiple numbers on a source row represent separate limits or operating conditions.
Cathode Voltage, DC – published value 2	-18 V	Published datasheet value; multiple numbers on a source row represent separate limits or operating conditions.
Load VSWR – published value 1	1.1	Published datasheet value; multiple numbers on a source row represent separate limits or operating conditions.
Load VSWR – published value 2	1	Published datasheet value; multiple numbers on a source row represent separate limits or operating conditions.

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Load VSWR – published value 3	1.1	Published datasheet value; multiple numbers on a source row represent separate limits or operating conditions.
Load VSWR – published value 4	1	Published datasheet value; multiple numbers on a source row represent separate limits or operating conditions.

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Current @ 6.0 V, typical – published value 1	6	Published datasheet value; multiple numbers on a source row represent separate limits or operating conditions.
Current @ 6.0 V, typical – published value 2	16.4	Published datasheet value; multiple numbers on a source row represent separate limits or operating conditions.
Surge current, maximum	30 mA	Published datasheet value; multiple numbers on a source row represent separate limits or operating conditions.
Beam Voltage, DC	20 V	Published datasheet value; multiple numbers on a source row represent separate limits or operating conditions.
Beam Current, DC	5.5 mA	Published datasheet value; multiple numbers on a source row represent separate limits or operating conditions.
Body Current, DC	250 mA	Published datasheet value; multiple numbers on a source row represent separate limits or operating conditions.
Modulating Anode Voltage, DC	20 V	Published datasheet value; multiple numbers on a source row represent separate limits or operating conditions.
Voltage, DC	125 V	Published datasheet value; multiple numbers on a source row represent separate limits or operating conditions.
Current, DC	30 mA	Published datasheet value; multiple numbers on a source row represent separate limits or operating conditions.

TUBE TINKER

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