



ELECTRONIC TUBE REFERENCE

832A

Power - Beam (NOT sweep) electronic tube

CONSOLIDATED TECHNICAL DATA

2 SECTIONS

CONSTRUCTION

BEAMPOWER-BEAMPOWER

Twin beam-power tube with center-tapped heater for RF power-amplifier and oscillator service at frequencies to approximately 200 MHz.

GENERAL CHARACTERISTICS

BASE DESIGNATION	7E-UA	BASE PINS	7
NOMINAL HEATER	12.6 V / 800 mA	PARALLEL HEATER	6.3 V / 1.6 A
HEATING	Indirect	SERIES OPERATION	Capable
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Beam Power	
TRANSCONDUCTANCE	0.0035 S
AMPLIFICATION FACTOR	6.5
MAXIMUM PLATE VOLTAGE	750 V
MAXIMUM SCREEN VOLTAGE	250 V
MAXIMUM PLATE DISSIPATION	20 W
MAXIMUM SCREEN DISSIPATION	5 W
MAXIMUM CATHODE CURRENT	115 mA
Representative row for two electrically identical beam-tetrode sections; ratings vary by service condition.	

SECTION2 Beam Power	
TRANSCONDUCTANCE	0.0035 S
AMPLIFICATION FACTOR	6.5
MAXIMUM PLATE VOLTAGE	750 V
MAXIMUM SCREEN VOLTAGE	250 V
MAXIMUM PLATE DISSIPATION	20 W
MAXIMUM CATHODE CURRENT	115 mA
<i>Second identical physical beam-power unit; added under physical-section-per-unit policy.</i>	

Twin beam-power tube with center-tapped heater for RF power amplifier and oscillator service to 200 MHz.



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1950 General Electric Transmitting Types

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

1950 GENERAL ELECTRIC TRANSMITTING TYPES

Section 1 · Beam Power

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
HeaterOrFilamentVoltage	6.3 V	—
HeaterOrFilamentCurrent	1.6 A	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
FrequencyForMaximumRatings	200 MHz	—



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1956 RCA Transmitting Tubes

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

1956 RCA TRANSMITTING TUBES

Section 1 · Beam Power

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Transconductance	3500 μ S	—
Amplification Factor	6.5	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum Plate Voltage	750 V	—

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum Screen Voltage	250 V	—
Maximum Plate Dissipation	20 W	—
Maximum Cathode Current	115 mA	—
Full-Input Operating Frequency Maximum	200 MHz	—
Power Output	36 W	ClassC,RF
Heater Voltage Series	12.6 V	—
Heater Current Series	800 mA	—
Heater Voltage Parallel	6.3 V	—
Heater Current Parallel	1.6 A	—
Typical Plate Voltage	600 V	Representative published point
Typical Plate Current	90 mA	Representative published point



SOURCE DATA APPENDIX

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1960 Mazda

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

1960 MAZDA

Section 1 · Beam Power

CAPACITANCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Grid1AnodeCapacitancePerElement	0.07 pF	—
InputCapacitancePerElement	8 pF	—
OutputCapacitancePerElement	3.8 pF	—
ScreenCathodeCapacitance	65 pF	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
MaximumHeaterCathodePeakVoltage	100 V	—
Typical Plate Voltage	600 V	—
Typical Screen Voltage	200 V	—

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
TypicalOutputPower	26 W	—

TUBE TINKER

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and their source documents.

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