



ELECTRONIC TUBE REFERENCE

7355

Power - Beam (NOT sweep) electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

BEAMPOWER

Power pentode designed specifically for the output stage of high-fidelity audio-frequency amplifier systems.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	8
NOMINAL HEATER	6.3 V / 800 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Beam Power	
PLATE RESISTANCE	42000 Ω
TRANSCONDUCTANCE	0.0076 S
MAXIMUM PLATE VOLTAGE	500 V
MAXIMUM SCREEN VOLTAGE	400 V
MAXIMUM PLATE DISSIPATION	18 W
MAXIMUM SCREEN DISSIPATION	3.5 W
MAXIMUM CATHODE CURRENT	100 mA
<i>Promoted only from clearly labeled printed ratings/characteristics; specialized and operating data retained in parameter rows.</i>	

Power pentode for the power-output stage of high-fidelity audio-frequency amplifier systems.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1968 General Electric Co

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

1968 GENERAL ELECTRIC CO

Section 1 · Beam Power

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater Voltage, ACor DC*. 63=0.6 Volts	0.6 Volts	Published datasheet; semantic line recovery
Heater Currentt. 0.8 Amperes	0.8 Amperes	Published datasheet; semantic line recovery
Grid-Number 1 to Plate: (gl top). 0.5 pf	0.5 pf	Published datasheet; semantic line recovery
Plate Voltage. 500 Volts TERMINAL CONNECTIONS	500 Volts	Published datasheet; semantic line recovery
Screen Voltage. ccitiiiiiiiiinann, 400 Volts	400 Volts	Published datasheet; semantic line recovery
Positive DC Grid-Number 1 Voltage. 0 Volts	1 Volt	Published datasheet; semantic line recovery
Positive DC Grid-Number 1 Voltage. 0 Volts	0 Volts	Published datasheet; semantic line recovery
Plate Dissipation. 18 Watts Pin 3–Plate	18 Watts	Published datasheet; semantic line recovery
Screen Dissipation (Continuous) 3.5 Watts Pin 5– Cathode and Beam	3.5 Watts	Published datasheet; semantic line recovery
Screen Dissipation {Peaks of Speech and Music). 7.0 Watts Plates	7 Watts	Published datasheet; semantic line recovery
DC Cathode Current. 100 Milliamperes Pin 6–Grid Number 1	100 Milliamperes	Published datasheet; semantic line recovery
DCComponent.....ccovvvirvnennnn.. 100 Volts Pin 8–Grid Number 2	100 Volts	Published datasheet; semantic line recovery
TotalDCand Peak. 200 Volts (Screen)	200 Volts	Published datasheet; semantic line recovery

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
With Cathode Bias. 1.0 Megohms 5	1 Megohms	Published datasheet; semantic line recovery
Plate Voltage te it e e e e e 250 Volts	250 Volts	Published datasheet; semantic line recovery
Screen Voltage e et e e 225 Volts	225 Volts	Published datasheet; semantic line recovery
Grid-Number 1 Voltage et e e e e e -15 Volts	1 Volt	Published datasheet; semantic line recovery
Grid-Number 1 Voltage et e e e e e -15 Volts	15 Volts	Published datasheet; semantic line recovery
Peak AF Grid-Number 1 Voltage. i i i 15 Volts	1 Volt	Published datasheet; semantic line recovery
Peak AF Grid-Number 1 Voltage. i i i 15 Volts	15 Volts	Published datasheet; semantic line recovery
Plate Resistance, approxXimate. ittt e e 42000 Ohms	42000 Ohms	Published datasheet; semantic line recovery
Zero-Signal Plate Current. et 62 Milliamperes	62 Milliamperes	Published datasheet; semantic line recovery
Maximum-Signal Plate Current. e 74 Milliamperes	74 Milliamperes	Published datasheet; semantic line recovery
Zero-Signal Screen Current. e 3.2 Milliamperes	3.2 Milliamperes	Published datasheet; semantic line recovery
Maximum-Signal Screen Current. e 16.5 Milliamperes	16.5 Milliamperes	Published datasheet; semantic line recovery
Maximum-Signal Power Output. e e e e 9.0 Watts	9 Watts	Published datasheet; semantic line recovery
Grid-Number 1 Voltage, approximate	1 Volt	Published datasheet; semantic line recovery
Plate Voltage i e e et et e e 300 400 Volts	400 Volts	Published datasheet; semantic line recovery
Screen Voltage. e e 250 300 Volts	300 Volts	Published datasheet; semantic line recovery
Grid-Number 1 Voltage i -21 -34 Volis	1 Volt	Published datasheet; semantic line recovery
Peak AF Grid-to-Grid Voltage 42 60 Volts	60 Volts	Published datasheet; semantic line recovery
Zero-Signal Plate Current. e, 100 56 Milliamperes	56 Milliamperes	Published datasheet; semantic line recovery
Maximum-Signal Plate Current. i 185 175 Milliamperes	175 Milliamperes	Published datasheet; semantic line recovery

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Zero-Signal Screen Current. e 5.5 3.5 Milliamperes	3.5 Milliamperes	Published datasheet; semantic line recovery
Maximum-Signal Screen Current. i 24 24 Milliamperes	24 Milliamperes	Published datasheet; semantic line recovery
Effective Load Resistance, Plate-to-Plate. 4000 5000 Ohms	5000 Ohms	Published datasheet; semantic line recovery
1 Heater current of a bogey tube at $E_f = 6.3$ volts.	6.3 volts	Published datasheet; semantic line recovery
GRID-NUMBER 1 VOLTAGE IN VOLTS	1 VOLT	Published datasheet; semantic line recovery
Heater Voltage	63 V	Published datasheet
Heater Current	800 mA	Published datasheet


SOURCE DATA APPENDIX

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1975 RCA RC30

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

1975 RCA RC30

Section 1 · Beam Power

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Peak Heater-Cathode Voltage	200 V	AbsoluteValue
Average Heater-Cathode Voltage	100 V	AbsoluteValue
Typical Plate Voltage	250 V	ClassA
Typical Screen Voltage	225 V	ClassA
Grid No.1 Voltage	-15 V	ClassA
Zero-Signal Plate Current	62 mA	ClassA
Maximum-Signal Plate Current	74 mA	ClassA
Zero-Signal Screen Current	3.2 mA	ClassA
Maximum-Signal Screen Current	16.5 mA	ClassA

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Load Resistance	2500 ohm	ClassA