6550

Beam Power Tube

GENERAL DATA

Electrical:

Heater Characteristics and Ratings *(Design-Center Values)*:

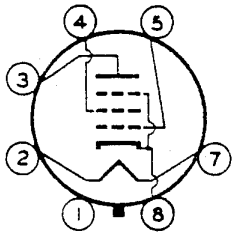
Voltage (AC or DC)	6.3 ± 0.6	volts
Current at heater volts = 6.3	1.600	amp
Peak heater-cathode voltage:		
Heater negative with respect to cathode	300[a] max.	volts
Heater positive with respect to cathode	200[b] max.	volts
Direct Interelectrode Capacitances (Approx.):[c]		
Grid No.1 to plate	0.85	μμf
Grid No.1 to cathode & grid No.3, grid No.2, base sleeve, and heater	14.0	μμf
Plate to cathode & grid No.3, grid No.2, base sleeve, and heater	12.0	μμf

Characteristics, Class A_1 Amplifier:

		Triode Connection[d]		
Plate Voltage	250	450	400	volts
Grid-No.2 Voltage	250	450	225	volts
Grid-No.1 Voltage	-14	-26	-16.5	volts
Amplification Factor	8	7.5	-	
Plate Resistance (Approx.)	12000	-	27000	ohms
Transconductance	11000	-	9000	μmhos
Plate Current	140	150	87	ma
Grid-No.2 Current	12	-	4	ma
Grid-No.1 Voltage (Approx.) for plate ma. = 1	-40	-	-35	volts

Mechanical:

Operating Position . . . . . Any
Type of Cathode . . . . . Coated Unipotential
Maximum Overall Length . . . . . 4-3/4"
Maximum Seated Length . . . . . 4-3/16"
Maximum Diameter . . . . . 2-1/16"
Bulb ST18
Base . . . Large-Wafer Octal 8-Pin with Sleeve (JEDEC Group 1, No.B8-86)
Basing Designation for BOTTOM VIEW 7S



Pin 1 - Base Sleeve
Pin 2 - Heater
Pin 3 - Plate
Pin 4 - Grid No.2
Pin 5 - Grid No.1
Pin 6 - No Internal Connection
Pin 7 - Heater
Pin 8 - Cathode, Grid No.3

RADIO CORPORATION OF AMERICA
Electron Tube Division Harrison, N. J.

DATA
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