Beam Power Tube

FORCED-AIR COOLED

GENERAL DATA

Electrical:

Heater, for Unipotential Cathode:
Voltage (AC or DC) ... – 6 ± 5% – volts
Current at 6 volts ... 9.5 11.5 amp
Heating Time ... 3 – minutes
Transconductance ... – 37000 – persons
Direct Interelectrode Capacitances (Approx.):
Grid No.1 to plate ... – – 0.02 pf
Grid No.1 to grid No.2, cathode, and heater ... 77 – 90 pf
Plate to grid No.2, cathode, and heater ... 11 – 13 pf

Mechanical:
Operational Position ... Any
Maximum Overall Length ... 4.8"
Maximum Diameter ... 3.365"
Weight (Approx.) ... 27 oz
Terminal Diagram (See Dimensional Outline):

P = Plate
G1 = Grid No.1
G2 = Grid No.2
H, K = Heater
K = Cathode

Thermal:

Seal Temperatures ... 200 max. °C
Plate Core Temperature ... 250 max. °C
Incoming Air Temperature ... 40 max. °C
Air Flow ... 28 min. cfm
Static Pressure ... 0.25 in. of water

Components:
Socket ... Eimac SK-800 Series, or equivalent
AF POWER AMPLIFIER & MODULATOR — Class AB₁
and
LINEAR RF POWER AMPLIFIER
Single-Sideband Suppressed-Carrier Service

For frequencies up to 30 Mc

Maximum CCS³ Ratings, Absolute-Maximum Values:

- DC Plate Voltage: 3000 max. volts
- DC Grid-No.2 Voltage: 400 max. volts
- DC Plate Current: 1 max. amp
- Grid-No.2 Input: 12 max. watts
- Grid-No.1 Input: 0 max. watts
- Plate Dissipation: 1000 max. watts

a with external shield.
b Subscript 1 indicates that grid-No.1 current does not flow during any part of the input cycle.
c continuous Commercial Service.

DIMENSIONS IN INCHES