MECHANICAL DATA

Style ......................... miniature
Cathode ........................ coated unipotential
Bulb ........................ T-5 1/2
Base ........ E7-1, Miniature Button 7 Pin
Outline ......................... 5-2
Maximum Diameter ............ 3/4 inch
Maximum Overall Length ...... 2 1/8 inches
Maximum Seated Height ...... 1 7/8 inches
Mounting Position ............. any
Basing .......................... 7BP
Connections:
Pin 1 - #2 plate  Pin 5 - #1 grid
Pin 2 - #1 plate  Pin 6 - #2 grid
Pin 3 - heater  Pin 7 - cathode
Pin 4 - heater

ELECTRICAL DATA

GENERAL
Heater Voltage (ac or dc) ...... 6.3 volts
Heater Current ................ 350 ma
Direct Interelectrode Capacitances:
  Grid to Plate(1) ............ 1.3 μf
  Input(1) .................. 2.0 μf
  Output, Section #1 ....... 0.45 μf
  Output, Section #2 ....... 0.34 μf
RATINGS(2) - Absolute Values
Heater Voltage ............ 6.3(±10%) volts
Maximum Plate Voltage (dc) .... 330 volts
Maximum Cathode Current(1) .... 22 ma
Maximum Plate Dissipation(1) ... 1.6 watts
Maximum Heater-Cathode Voltage ........... ±200 volts

CHARACTERISTICS(1)
Conditions:
  Heater Voltage ....... 6.3  6.3 volts
  Plate Voltage(dc) .... 300 100 volts
  Grid Voltage ........ -16 --- volts
  Cathode Bias
  Resistor(3) .......... 0  50 ohms
  Plate Current ....... 0.1 max. 9.0 ma
  Transconductance ...... 6,400 μmhos
  Amplification Factor ....... 38
Noise Output Voltage(4),
  maximum ................... 125 mv

Notes

(1) Each section.
(2) Limitations beyond which normal tube performance and tube life may be impaired.
(3) Value is for both sections operating simultaneously.
(4) Across plate resistor of 2,000 ohms, at plate voltage of 250 volts, grid voltage of -8 volts, with applied vibrational acceleration of 10 g at 50 cycles per second, sections in parallel.

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