ILN5
SHARP-CUTOFF PENTODE

GENERAL DATA

Electrical:
Filament, Coated:
  Voltage .................. 1.4 ...... dc volts
  Current .................. 0.05 ...... amp
Direct Interelectrode Capacitances:
  Grid No.1 to Plate ...... 0.007 max. ...... μμf
  Input .................. 3.0 ...... μμf
  Output .................. 8.0 ...... μμf
  ° With external shield connected to negative filament terminal.

Mechanical:
  Mounting Position .......... Any
  Maximum Overall Length ...... 2-25/32"
  Maximum Seated Length ...... 2-1/4"
  Maximum Diameter .......... 1-3/16"
  Bulb .................. T-9
  Base .................. Lock-in 8-Pin
  Basing Designation for BOTTOM VIEW ...... 7AO

Pin 1—Filament (+) ......... Pin 6—Grid No.1
Pin 2—Plate ................ Pin 7—No
Pin 3—Grid No.2 ......... Connection
Pin 4—Grid No.3 ......... Pin 8—Filament (−)
Pin 5—Filament (−) ......... Plug—Base Shell

AMPLIFIER—Class A1

Maximum Ratings, Design-Center Values:
  PLATE VOLTAGE ............ 110 max. volts
  GRID—No.2 (SCREEN) VOLTAGE .... 110 max. volts

Typical Operation and Characteristics:
  Plate Voltage ...... 90 ...... volts
  Grid—No.3 (Suppressor) Connected to cathode at socket
  Grid—No.2 Voltage ...... 90 ...... volts
  Grid—No.1 (Control—Grid) Voltage .... 0 ...... volts
  Plate Resistance (Approx.) ... 1.1 ...... meghms
  Transconductance .......... 800 ...... μμhos
  Grid—No.1 Bias (Approx.) for transcondutance of 10 μμhos ...... −4.5 ...... volts
  Plate Current .......... 1.6 ...... ma
  Grid—No.2 Current .......... 0.35 ...... ma

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