MECHANICAL DATA

Bulb .................................................. T-3½
Base .................................................... E7-1, Miniature Button 7-Pin
Outline ............................................... 5-1
Basing .................................................. 6BT
Cathode ............................................... Coated Unipotential
Mounting Position ................................. Any

ELECTRICAL DATA

HEATER CHARACTERISTICS

Heater Voltage Range ......................... 12-15 Volts
Heater Current at Ef = 13.5 volts .......... 155 Ma
Heater-Cathode Voltage (Absolute Maximum Values)
  Heater Negative with Respect to Cathode ...... 120 Volts Max.
  Heater Positive with Respect to Cathode ...... 120 Volts Max.

DIRECT INTERELECTRODE CAPACITANCES (Shielded)¹

Plate Input (Each Section) .................... 3.2 μF
Plate to Plate ......................................... 0.026 μF
Cathode Input (Each Section) ................. 3.6 μF

RATINGS (Absolute Maximum Values)

Peak Inverse Plate Voltage .................. 350 Volts Max.
AC Plate Supply Voltage Per Plate, RMS .... 117 Volts Max.
Peak Plate Current Per Plate ................. 60 Ma Max.
DC Output Current Per Plate .................... 10.0 Ma Max.

CHARACTERISTICS

Voltage Drop at \( I_b = 60 \) Ma Per Plate .......... 10 Volts

TYPICAL OPERATION

AC Plate Voltage Per Plate .................. 117 Volts
Effective Plate Supply Impedance Per Plate ...... 300 Ohms Min.
DC Output Current Per Plate .................... 9.0 Ma

1) Figures in this section are for shielded bases only.
SPECIAL TESTS

Heater Cycling Life Test
Ef = 17.0 V; 1 min. on, 4 min. off;
Ehk = -150 Vdc 2000 Cycles Min.

NOTE:

1. Shield No. 316 connected to cathode of section under test.
AVERAGE PLATE CHARACTERISTICS
(EACH SECTION)

E' = RATED VALUE

CURRENT IN MILLIAMPERES

PLATE VOLTAGE

80  60  40  20  0

0  2  4  6  8  10
AVERAGE OPERATING CHARACTERISTICS
(HALF WAVE RECTIFICATION — SINGLE DIODE)