

MECHANICAL DATA

Bulb	T-5 $\frac{1}{2}$
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 $E_f = 13.5$ 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 $\mu\mu f$
Plate to Plate	.026 $\mu\mu f$
Cathode Input (Each Section)	3.6 $\mu\mu f$

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
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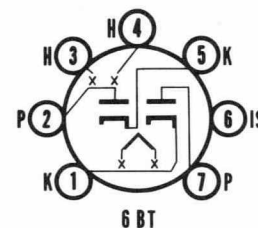
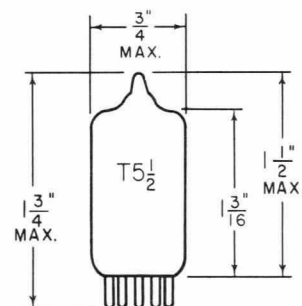
TYPICAL OPERATION

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

QUICK REFERENCE DATA

The Sylvania Type 7055 is a miniature, high perveance twin diode, intended for use in mobile communications equipment. Featuring a 13.5 volt heater, the 7055 is designed for dependable operation over the wide range of heater voltage encountered in this service.

Except for heater characteristics, the Type 7055 is similar to the 6AL5.



**SYLVANIA
ELECTRONIC TUBES**
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**RECEIVING TUBE
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PAGE 1 OF 4

File Under
RECEIVING TUBES

SPECIAL TESTS

Heater Cycling Life Test

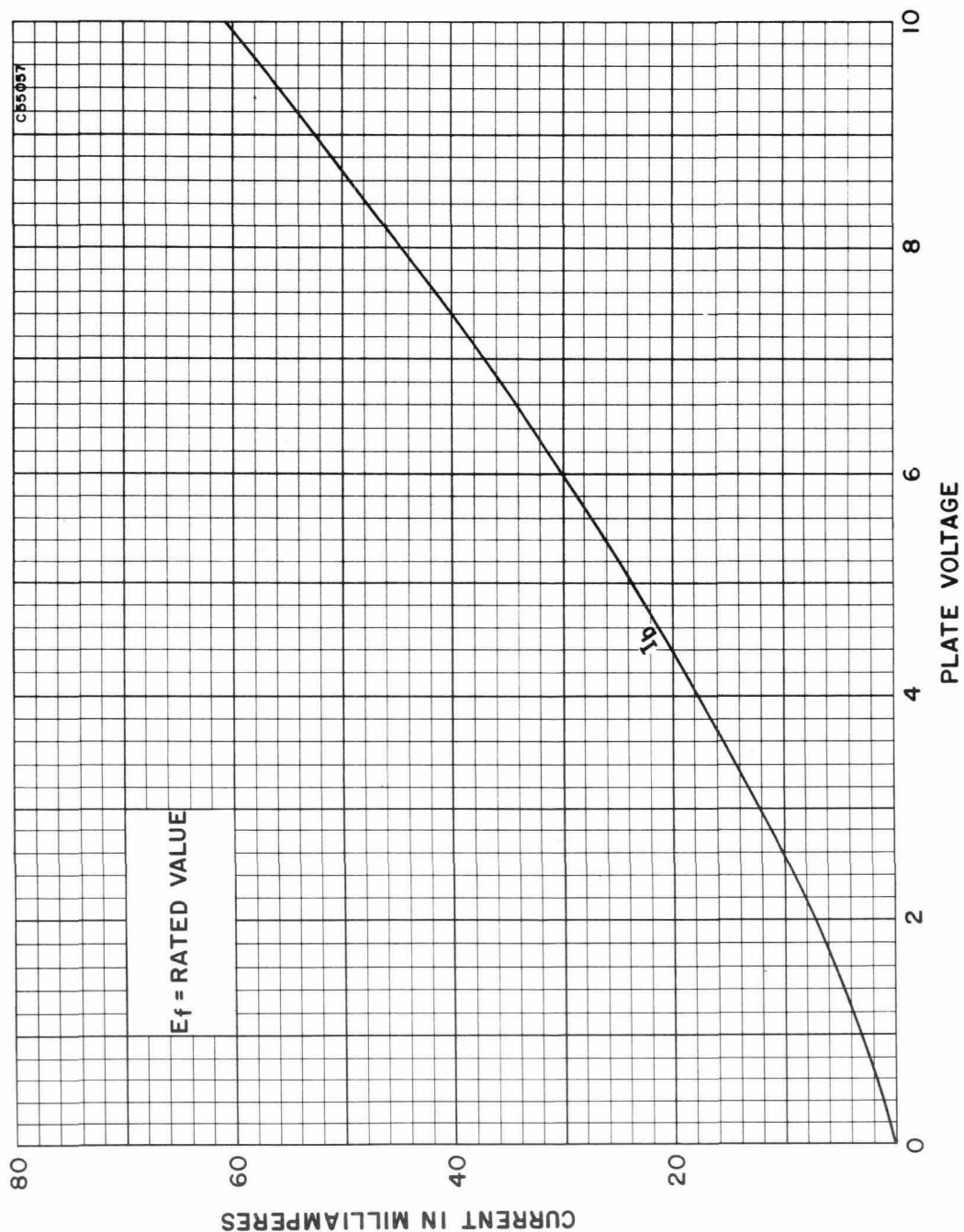
$E_f = 17.0 \text{ V}$; 1 min. on, 4 min. off;

$E_{hk} = -150 \text{ Vdc}$ 2000 Cycles Min.

NOTE:

1. Shield No. 316 connected to cathode of section under test.

AVERAGE PLATE CHARACTERISTICS
(EACH SECTION)



AVERAGE OPERATING CHARACTERISTICS
(HALF WAVE RECTIFICATION — SINGLE DIODE)

