

**MECHANICAL DATA**

Bulb . . . . .	T-5 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)<sup>1</sup>**

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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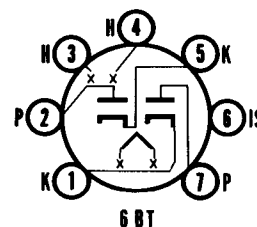
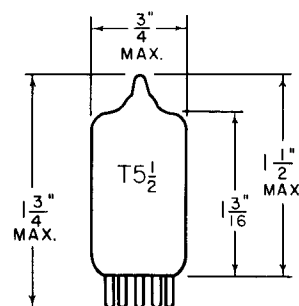
**TYPICAL OPERATION**

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**  
A Division of  
Sylvania Electric Products Inc.  
**RECEIVING TUBE  
OPERATIONS  
EMPORIUM, PA.**

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*File Under*  
**RECEIVING TUBES**

SPECIAL TESTS

Heater Cycling Life Test

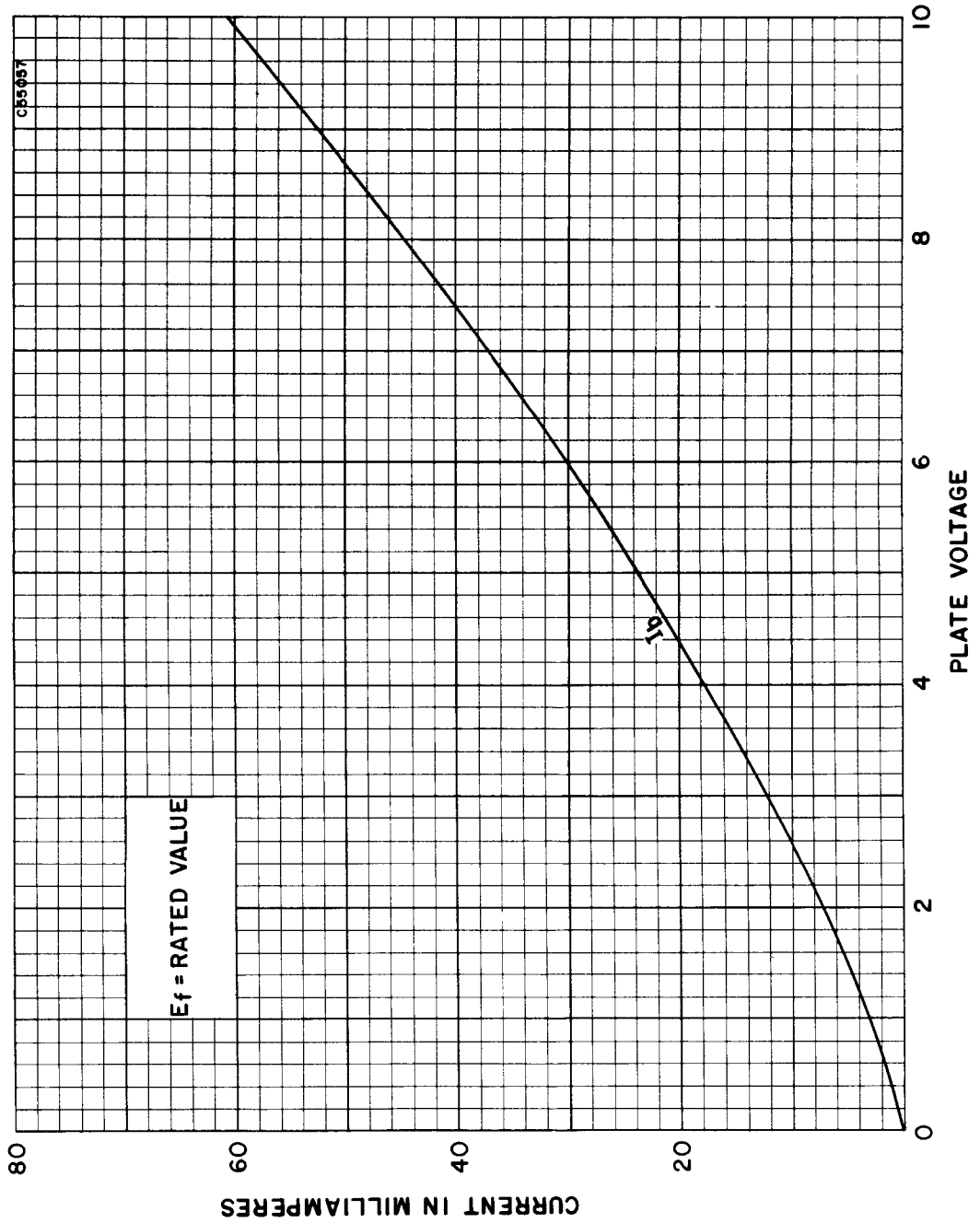
Ef = 17.0 V; 1 min. on, 4 min. off;

Ehk = -150 Vdc . . . . . 2000 Cycles Min.

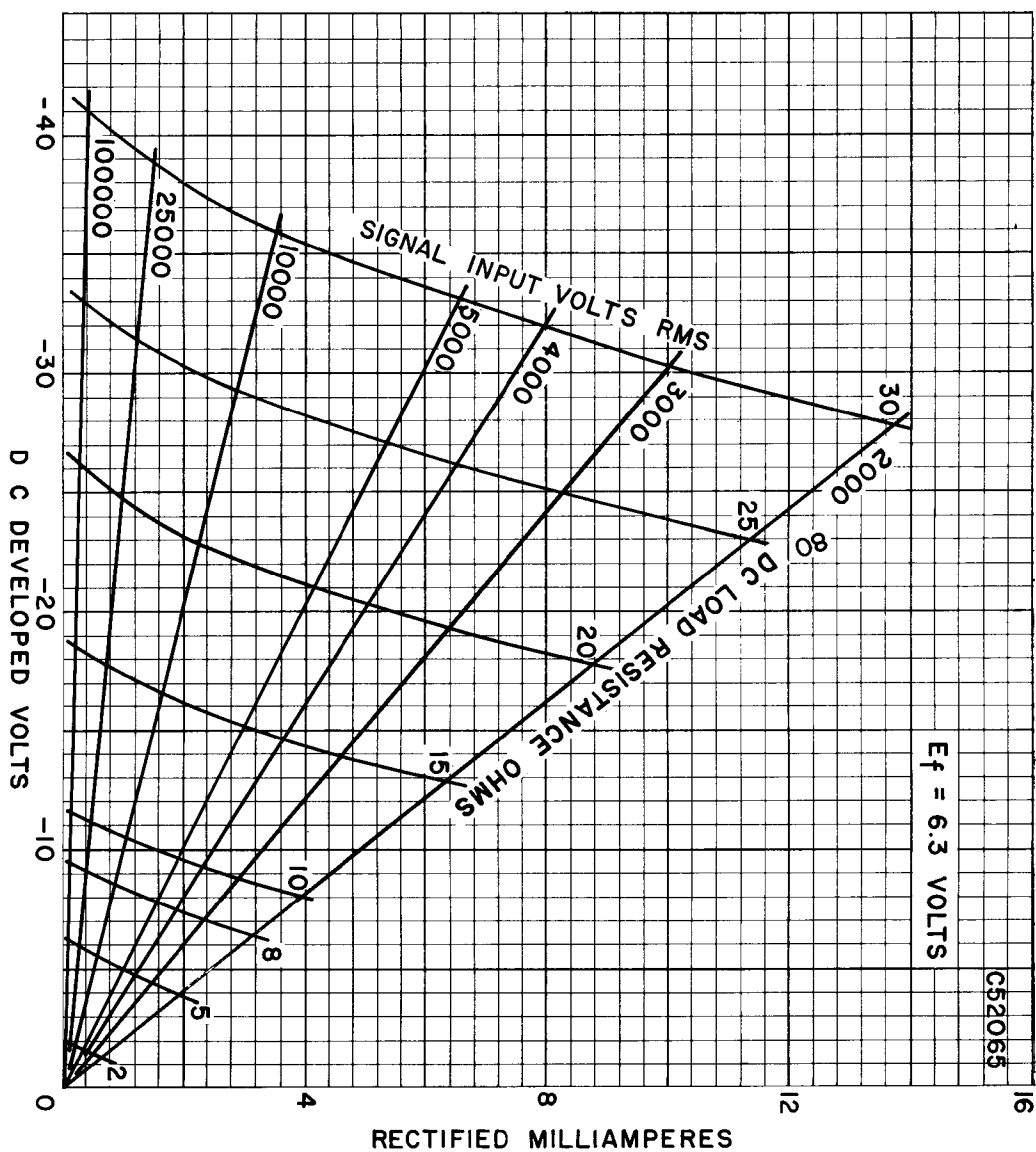
NOTE:

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

AVERAGE PLATE CHARACTERISTICS  
(EACH SECTION)



AVERAGE OPERATING CHARACTERISTICS  
(HALF WAVE RECTIFICATION — SINGLE DIODE)



$E_f = 6.3$  VOLTS

C52065