engineering data service 7055

MECHANICAL DATA

Bulb	T-5½
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	$\mu\mu f$
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

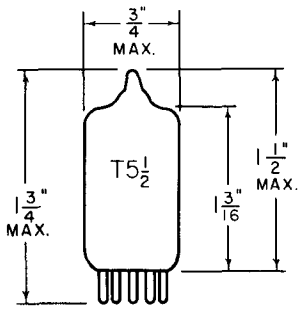
TYPICAL OPERATION

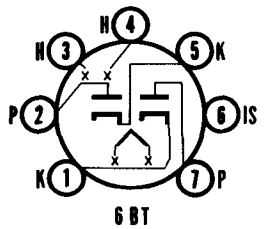
AC Plate Voltage Per Plate	117	Volts
Effective Plate Supply Impedance Per Plate	300	Ohms Min.
DC Output Current Per Plate	9.0	Ma

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
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RECEIVING TUBE
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EMPORIUM, PA.

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File Under
RECEIVING TUBES

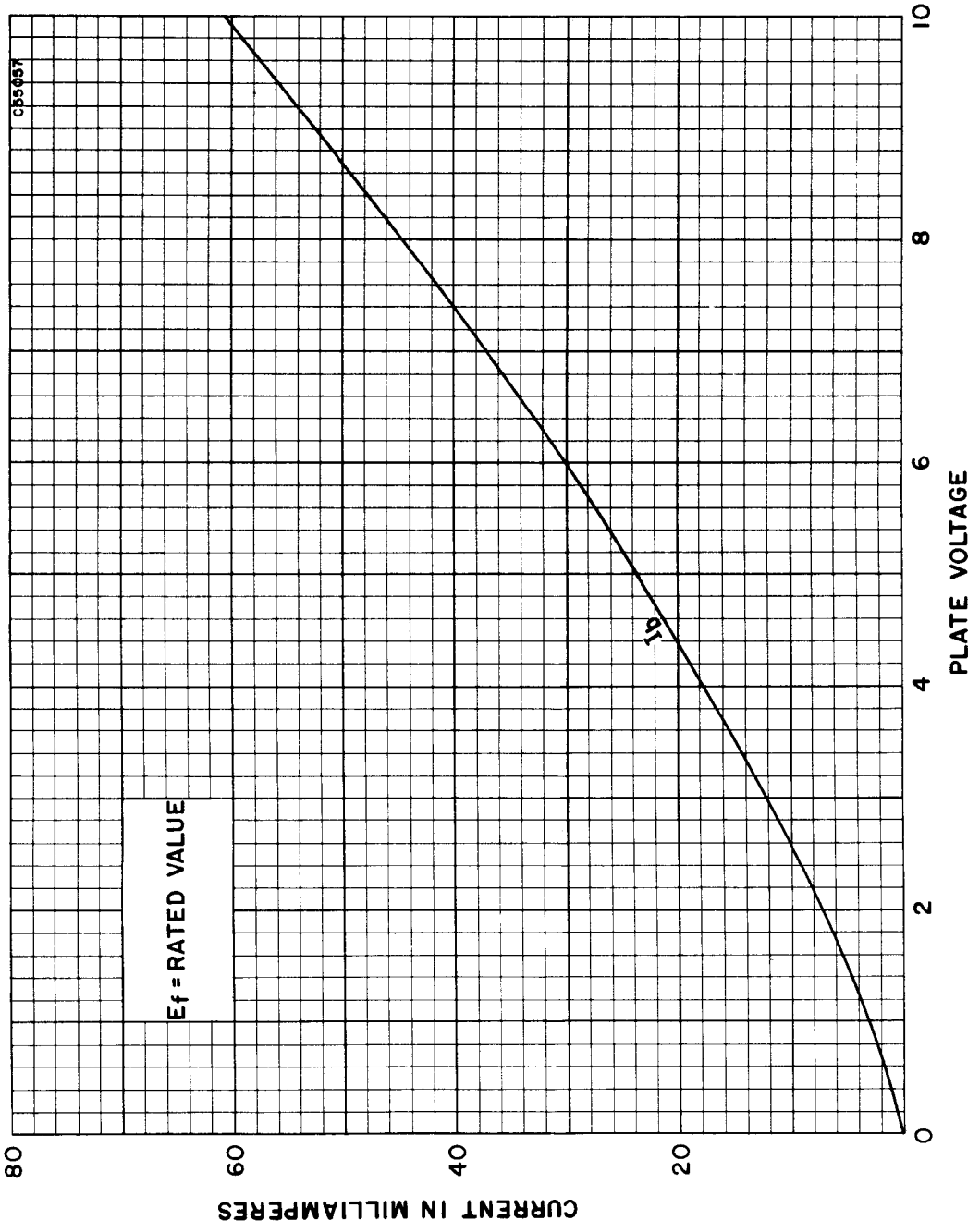
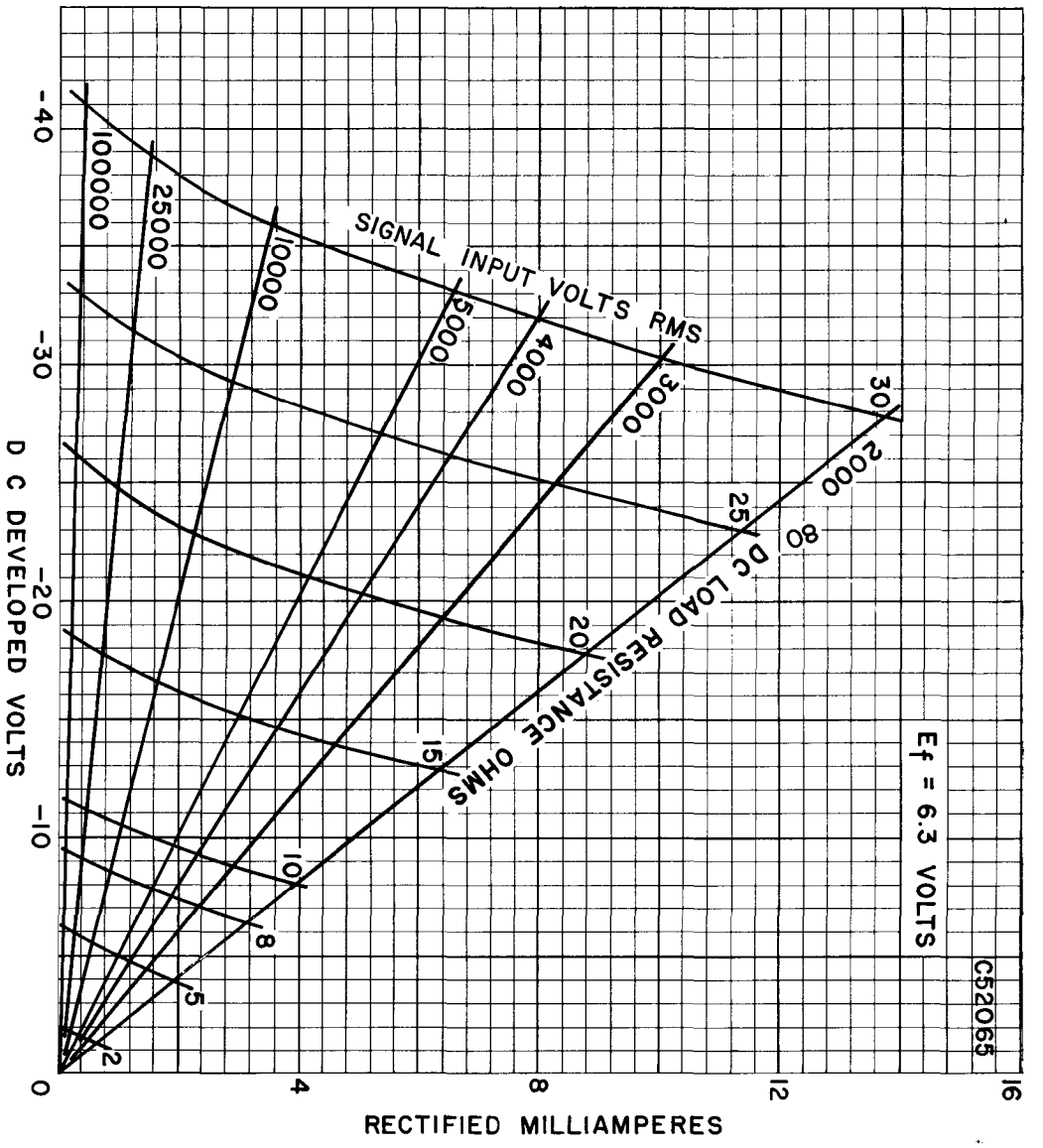
SPECIAL TESTS

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)