MECHANICAL DATA

Bulb	T-6½
Base	E9-1, Miniature Button 9-Pin
Outline	6-2
Basing	Per Diagram
Cathode	Coated Unipotential
Mounting Position	Any

ELECTRICAL DATA

HEATER CHARACTERISTICS

Heater Voltage Range	12-15 Volts	
Heater Current for 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 (Unshielded)

	Section 1[1]	Section 2[1]
Grid to Plate	1.7	1.7 μμf
Input g to (h + k)	1.6	1.6 μμf
Output p to (h + k)	0.46	0.34 μμf

RATINGS (Absolute Maximum Values—Each Section)

Plate Voltage	330 Volts	Max.
Plate Dissipation	1.0 Watt	Max.
Positive Grid Voltage	0 Volts	Max.
Negative Grid Voltage	−55 Volts	Max.
Grid Resistance:		
Fixed Bias	0.5 Megohm	Max.
Cathode Bias	1.0 Megohm	Max.

CHARACTERISTICS AND TYPICAL OPERATION

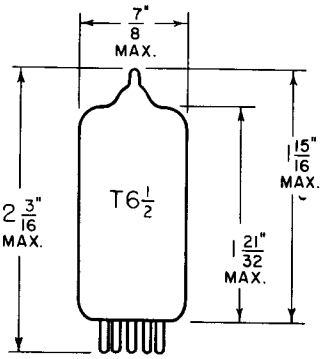
Class A_1 Amplifier (Each Section)

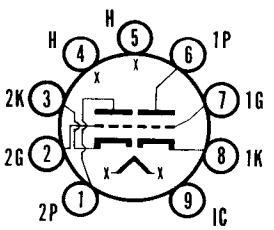
Plate Voltage	250 Volts
Grid Voltage	−2 Volts
Plate Current	1.25 Ma
Plate Resistance	61,000 Ohms
Transconductance	1650 μmhos
Amplification Factor	100
Ec for I_b = 10 μa (Approx.)	−5 Volts

QUICK REFERENCE DATA

The Sylvania Type 7058 is a miniature high mu twin triode having separate cathodes. It is intended for use in mobile communications equipment. Featuring a 13.5 volt heater, the 7058 is designed for dependable operation over the wide range of heater voltage encountered in this service.

Except for heater characteristics, the Type 7058 is similar to the 12AX7.





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SPECIAL TESTS

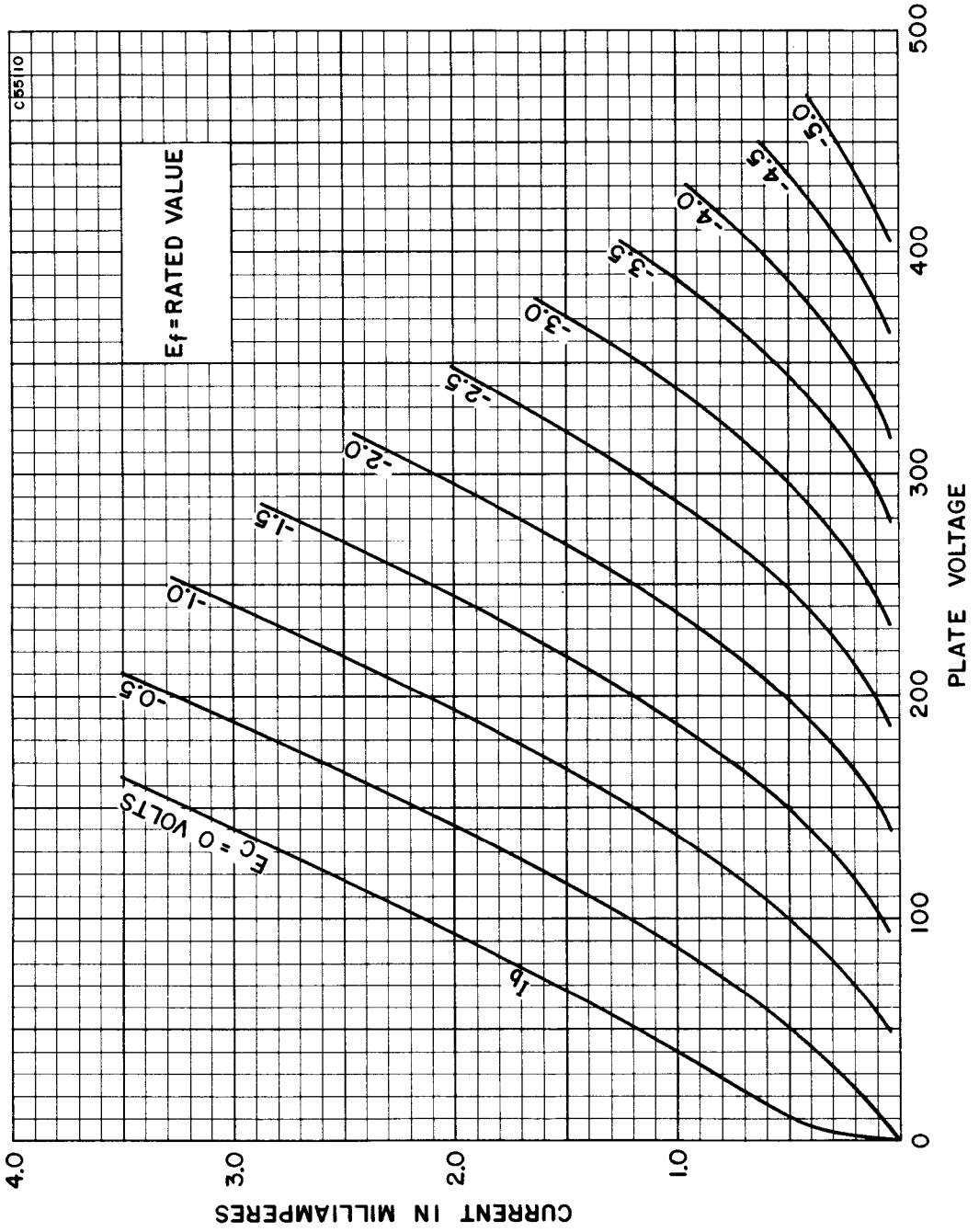
Heater Cycling Life Test
Ef = 17.0 V; 1 min. on, 4 min. off;
Ehk = 150 Vdc . . . . . 2000 Cycles Min.

Low-Frequency Vibration[2]: Ep
G = 2.5 @ 25 cps . . . . . 150 mVac Max.

NOTES:

1. *Section No. 1 connects to Pins 6, 7 and 8.*
   Section No. 2 connects to Pins 1, 2 and 3.
2. *Sections connected in parallel.*

AVERAGE PLATE CHARACTERISTICS
(EACH SECTION)



AVERAGE TRANSFER CHARACTERISTICS
(EACH SECTION)