

 Cunningham
Radiotron
RCA-6J5

DETECTOR AMPLIFIER TRIODE
(TENTATIVE DATA)

Heater Voltage (A.C. or D.C.)	6.3	Volts
Heater Current	0.3	Ampere
Direct Interelectrode Capacitances (Approx.): #		
Grid to Plate	3.4	μmf
Grid to Cathode	3.4	μmf
Plate to Cathode	3.6	μmf
Maximum Overall Length	2-5/8"	
Maximum Diameter	1-5/16"	
Base	Small Wafer Octal 6-Pin	

As Class A₁ Amplifier

Operating Conditions and Characteristics:

Plate Voltage	250 max.	Volts
Grid Voltage	-8	Volts
Plate Current	9	Milliamperes
Plate Resistance	7700	Ohms
Amplification Factor	20	
Transconductance	2600	Micromhos

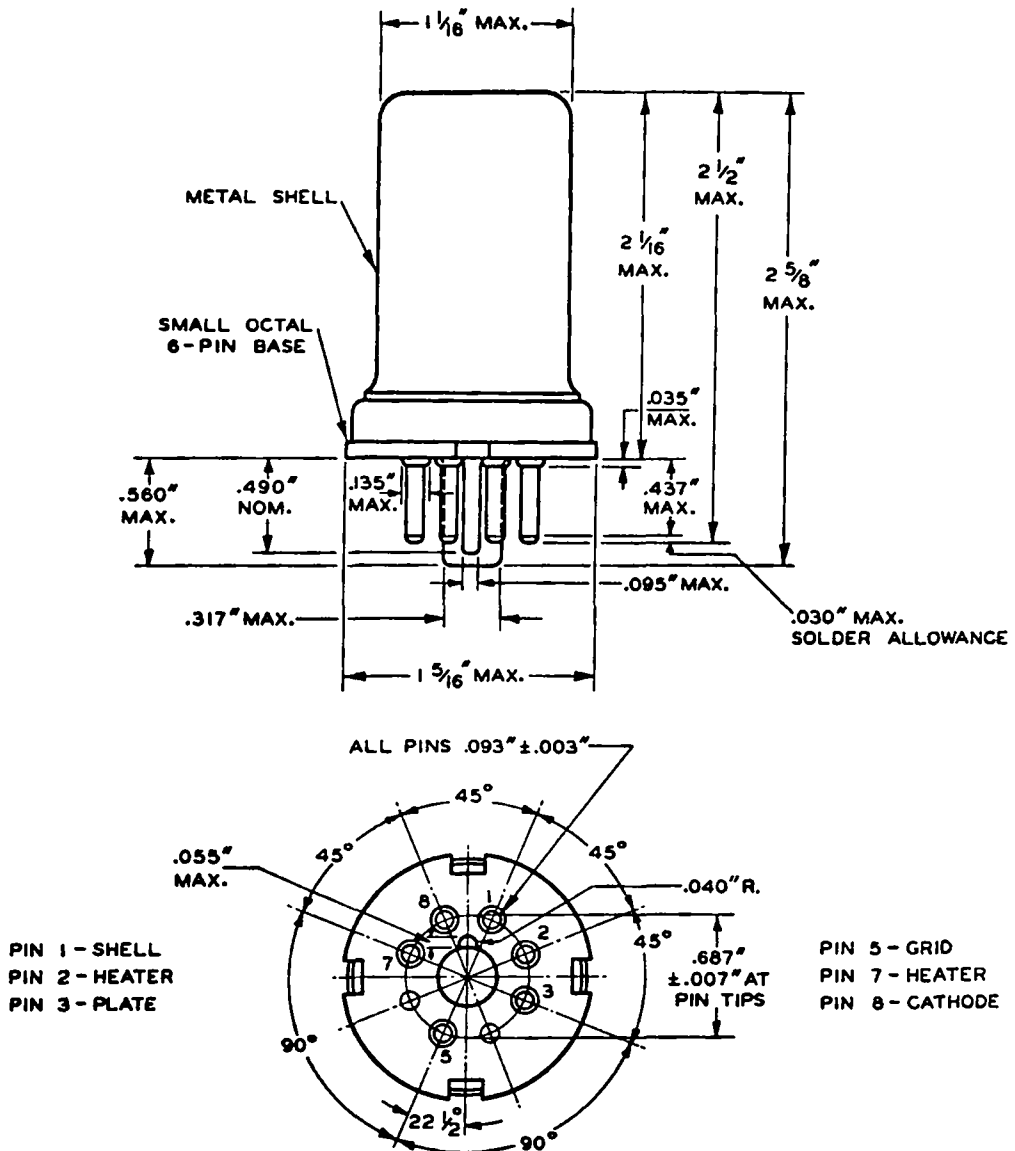
With shell connected to cathode.

from RMA release #118, June 22, 1937

June 11, 1937

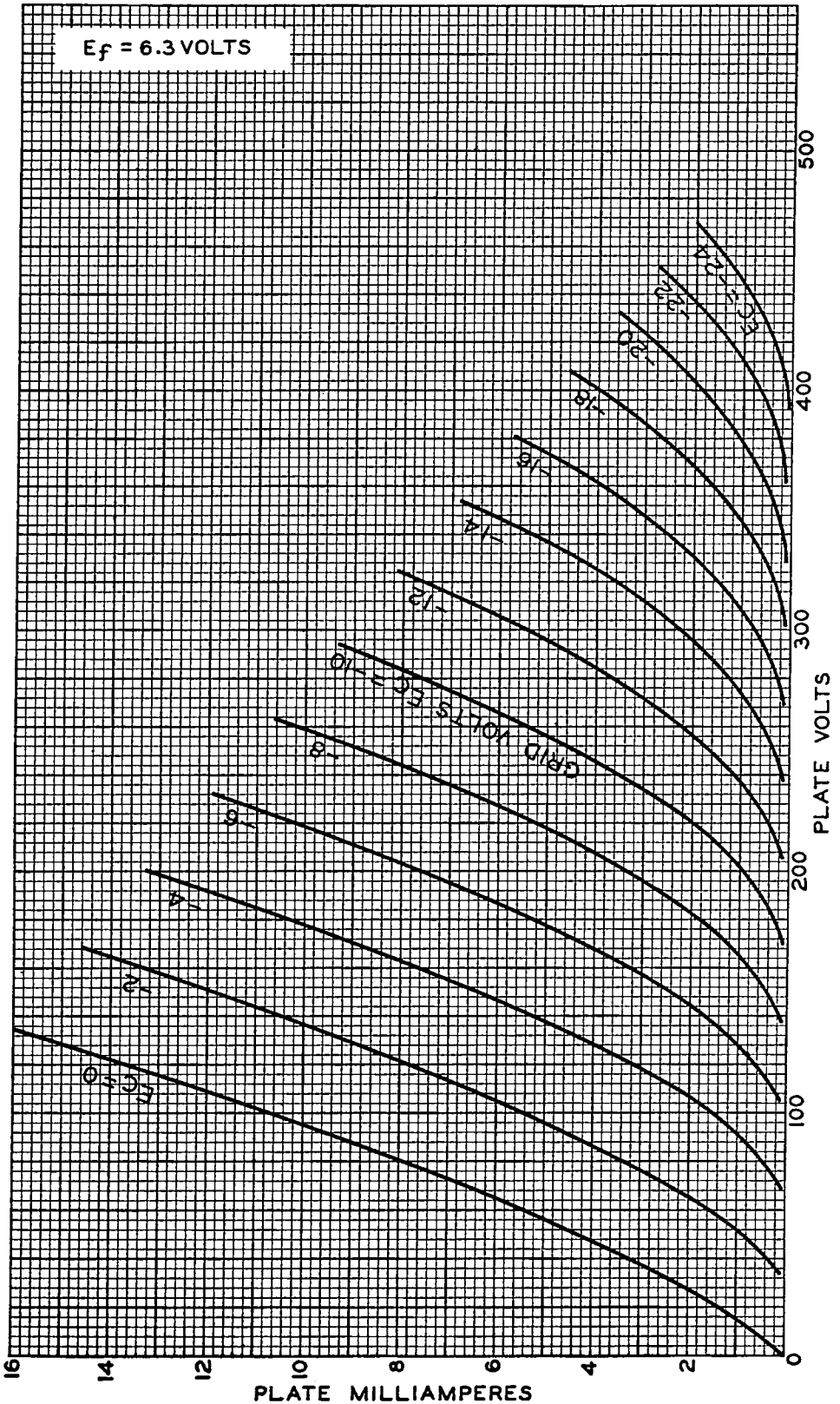
RCA-6J5

OUTLINE DRAWING



BOTTOM VIEW OF BASE

AVERAGE PLATE CHARACTERISTICS



JETEC DATA
JOINT ELECTRON TUBE ENGINEERING COUNCIL
COMMITTEE ON RECEIVING TUBES

J5-6J5

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December 15, 1950

JETEC TYPE 6J5

TRIODEMECHANICAL DATA

Coated unipotential cathode
Outline drawing. 8-1 Bulb. MT-8
Base B6-23 Small wafer octal 6-pin
Maximum diameter 1-5/16"
Maximum overall length 2-5/8"
Maximum seated height. 2-1/16"
Pin connections. Basing 6Q
 Pin 1 - Shell Pin 5 - Grid
 Pin 2 - Heater Pin 7 - Heater
 Pin 3 - Plate Pin 8 - Cathode

Mounting position. Any

ELECTRICAL DATADirect interelectrode capacitances*

Grid to plate (g to p).	3.4	μf
Input: g to (h+k+s)	3.4	μf
Output: p to (h+k+s).	3.6	μf

*Pin #1 connected to pin #8.

Ratings

Heater voltage (ac or dc).	6.3	volts
Maximum heater-cathode voltage	90	volts
Maximum plate voltage.	300	volts
Maximum positive DC grid voltage	0	volts
Maximum grid circuit resistance.	1.0	megohm
Maximum plate dissipation.	2.5	watts
Maximum cathode current.	20	ma

Typical operating conditions and characteristics, class A₁ amplifier

Heater voltage.	6.3	6.3	volts
Heater current.	300	300	ma
Plate voltage	90	250	volts
Grid voltage.	0	-8	volts
Plate resistance (approx.).	6700	7700	ohms
Transconductance.	3000	2600	μmhos
Plate current	10	9.0	ma
Amplification factor.	20	20	
Grid #1 voltage (approx.) for I _b = 10 μa.	-7.0	-18	volts

Refer to "Interpretation of Receiving Tube Ratings"