



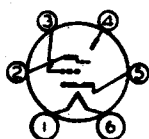
6U5/6G5

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**ELECTRON-RAY TUBE**

INDICATOR TYPE WITH TRIODE UNIT

Heater ■	Coated Unipotential Cathode	
Voltage	6.3	a-c or d-c volts
Current	0.3	amp.
Overall Length	3-13/16" to 4-3/16"	
Seated Height	3-3/16" to 3-9/16"	
Maximum Diameter	1-3/16"	
Bulb	T-9	
Base	Small 6-Pin	
Pin 1-Heater	Pin 4-Target	
Pin 2-Plate	Pin 5-Cathode	
Pin 3-Grid	Pin 6-Heater	
Mounting Position	Any	



BOTTOM VIEW (6R)

INDICATOR SERVICE

Plate-Supply Voltage	285 max.	volts
Target Voltage	{ 285 max.	volts
	{ 100 min.	volts
Plate Dissipation	1.0 max.	watt
Typical Operation:		
Plate & Target Supply	100 200 250	volts
Series Triode-Plate Resistor*	0.5 1 1	megohm
Target Current † °	1.0 3.0 4.0	ma.
Triode-Plate Current °	0.19 0.19 0.24	ma.
Triode-Grid Voltage °°	-8 -18.5 -22	approx. volts
Triode-Grid Voltage #	0 0 0	approx. volts

■ In circuits where the cathode is not directly connected to the heater, the potential difference between heater and cathode should be kept as low as possible.

* Designated as R in circuit diagram. See Type 6E5.

† Subject to wide variations.

° For zero triode-grid voltage.

°° For shadow angle of 0°.

For shadow angle of 90°.

The 6U5/6G5 is similar to the 6E5 except for the triode unit which is designed with remote cut-off. Refer to Type 6E5 for a discussion of the operation of the tube and also for the fundamental circuit.

The 6U5/6G5 will supersede the 6G5 and the 6U5. It may also be used to replace types 6H5 and 6F5.

← Indicates a change.

Sept. 2, 1941

RCA RADITRON DIVISION
RCA MANUFACTURING COMPANY, INC.

DATA

6U5/6G5

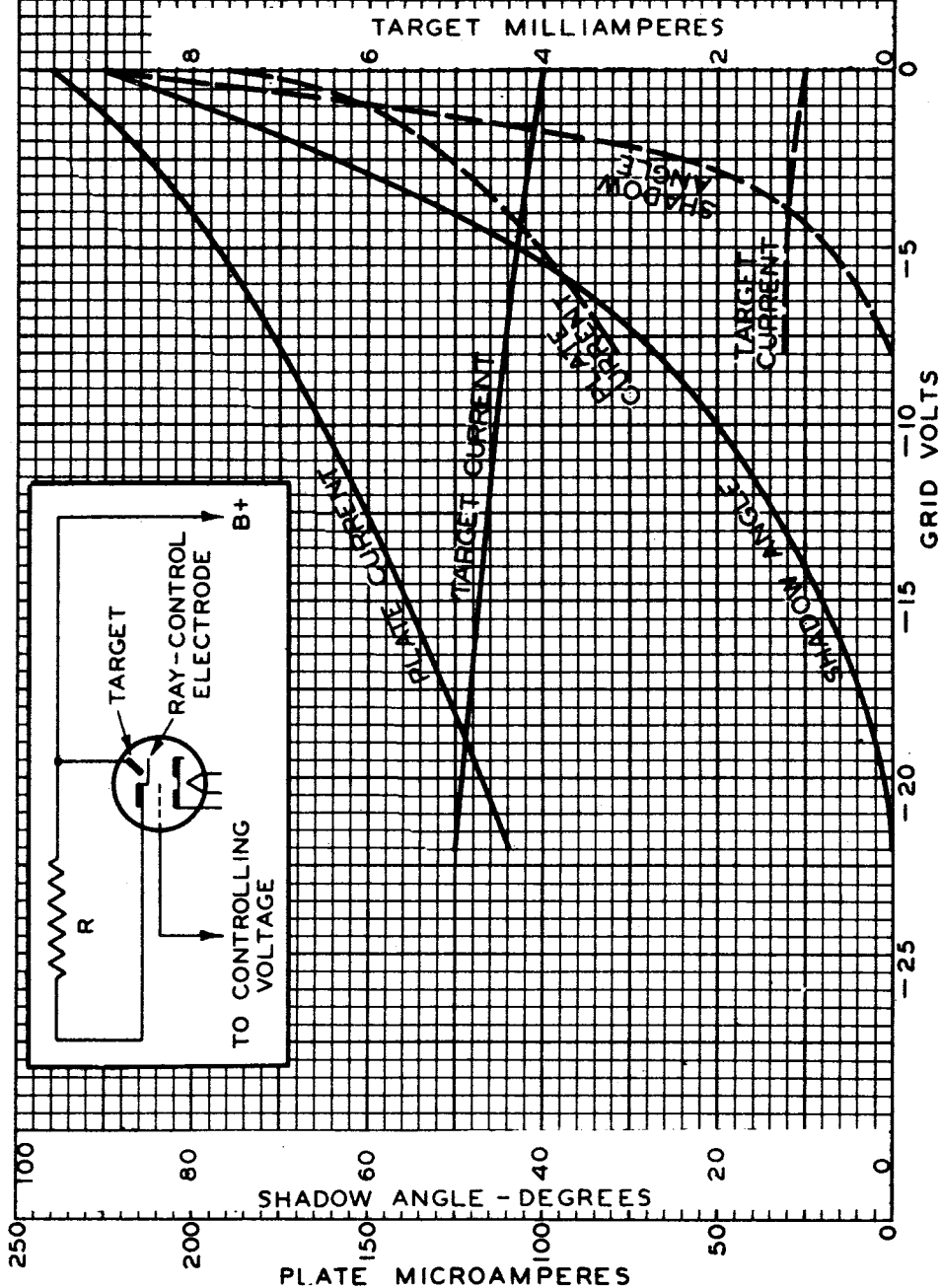


6U5/6G5

AVERAGE CONTROL CHARACTERISTICS

 $E_f = 6.3$ VOLTS

CURVE	PLATE-SUPPLY VOLTS (B+)	SERIES PLATE RESISTOR (R)-MEG.
—	250	1.0
- - -	100	0.5



JUNE 27 1938

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