



6U5

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ELECTRON-RAY TUBE

INDICATOR TYPE WITH REMOTE-CUTOFF TRIODE UNIT

GENERAL DATA

Electrical:

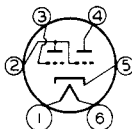
Heater, for Unipotential Cathode:

Voltage	6.3	ac or dc volts
Current	0.3	amp

Mechanical:

Mounting Position	Any
Maximum Overall Length	4-3/16"
Seated Length	3-3/8 ± 3/16"
Maximum Diameter	1-3/16"
Bulb	T-9
Base	Small-Shell Small 6-Pin (JETEC No. A6-7)
Basing Designation for BOTTOM VIEW	6R

Pin 1 - Heater
 Pin 2 - Triode Plate,
 Ray-Control
 Electrode



Pin 3 - Triode Grid
 Pin 4 - Target
 Pin 5 - Cathode
 Pin 6 - Heater

INDICATOR SERVICE

Maximum Ratings, Design-Center Values:

TRIODE-PLATE SUPPLY VOLTAGE	285 max.	volts
TARGET VOLTAGE	{ 285 max.	volts ←
	{ 125 min.	volts
TRIODE-PLATE DISSIPATION	1.0 max.	watt
PEAK HEATER-CATHODE VOLTAGE:		
Heater negative with respect to cathode	90 max.	volts
Heater positive with respect to cathode	90 max.	volts

Typical Operation:

Plate Supply and Target Voltage	200	250	volts
Series Triode-Plate Resistor	1	1	megohm
Target Current †			
for zero grid voltage	3	4	ma
Triode-Plate Current			
for zero grid voltage	0.19	0.24	ma
Triode-Grid Voltage (Approx.):			
For 0° shadow angle	-18.5	-22	volts
For 90° shadow angle	0	0	volts

† subject to wide variations.

Refer to Type 6E5 for a discussion of the operation of the tube and also for the fundamental circuit.

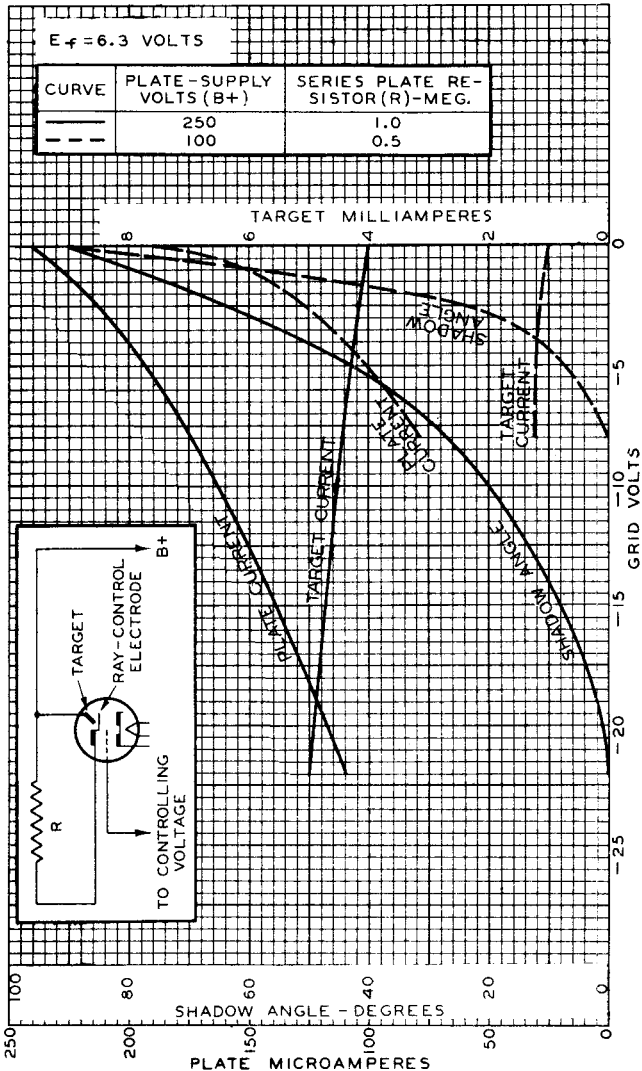
← Indicates a change.

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AVERAGE CONTROL CHARACTERISTICS



AUG. 9, 1954

TUBE DIVISION

92CM-4626R3

RADIO CORPORATION OF AMERICA, HARRISON, NEW JERSEY