




1629

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# **ELECTRON-RAY TUBE** INDICATOR TYPE WITH TRIODE UNIT

Heater	Coated Unipotential Cathode	
Voltage	12.6	a-c or d-c volts
Current	0.15	amp.
Overall Length	3-15/16" $\pm$ 3/16"	
Seated Height	3-3/8" $\pm$ 3/16"	
Maximum Diameter	1-3/16"	
Bulb	T-9	
Base	Small Shell Octal 7-Pin	
Pin 1 - No Connection		Pin 5 - Grid
Pin 2 - Heater		Pin 7 - Heater
Pin 3 - Plate		Pin 8 - Cathode
Pin 4 - Target		
Mounting Position	Any $\blacktriangle$	

BOTTOM VIEW (7AL)

Maximum and Minimum Ratings Are Design-Center Values

## INDICATOR SERVICE

Plate-Supply Voltage	250	max. volts
Target Voltage	250 125	max. volts
		min. volts
D-C Heater-Cathode Potential	90	max. volts
<b>Typical Operation:</b>		
Plate and Target Supply Voltage	200	250 volts
Series Triode Plate Resistor <sup>□</sup>	1	1 megohm
Target Current † ◊	3	4 ma.
Triode-Plate Current ◊	0.19	0.24 ma.
Triode-Grid Voltage (Approx.)		
For shadow angle of 0°	-6.5	-8.0 volts
For shadow angle of 90°	0	0 volts

 $\square$  Designated as R in the circuit diagram under Type 6E5, in the Receiving Tube Section. $\dagger$  Subject to wide variation. $\diamond$  For triode-grid bias of 0 volts. $\blacktriangle$  The plane of the ray-control electrode passes through the tube axis and base key.

Curves for Type 1629 are the same as for the 6E5 in the Receiving-Tube Section.

 $\leftarrow$  Indicates a change.

JUNE 30, 1944

**RCA VICTOR DIVISION**  
RADIO CORPORATION OF AMERICA, HARRISON, NEW JERSEY

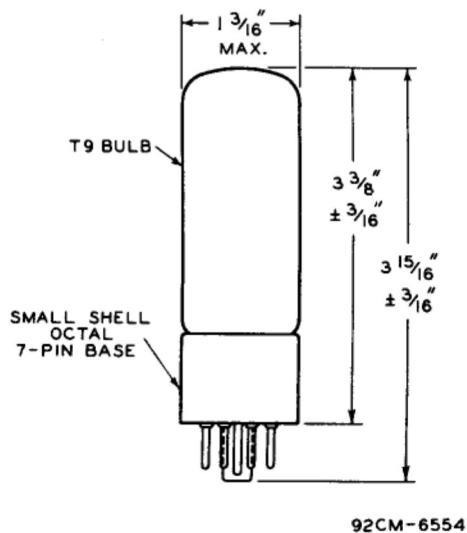
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