

ELECTRON-RAY TUBE INDICATOR TYPE WITH TRIODE UNIT

Heater Coated Unipotential Cathode Voltage a-c or d-c volts 6.3 Current 0.3 amp. 4" ± 3/16" Overall Length 3-3/8" ± 3/16" Seated Height 1-3/16" Maximum Diameter Bu1b T-9

Base Pin 1 - Heater Pin 2 - Plate Pin 3 - Grid

Mounting Position

Small 6-Pin Pin 4 - Target Pin 5 - Cathode Pin 6 - Heater

Any*

BOTTOM VIEW (6R) Maximum and Minimum Ratings Are Design-Center Values

INDICATOR SERVICE

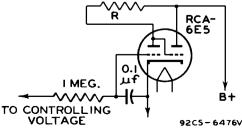
Plate-Supply Voltage 250 max. volts volts 250 max. Target Voltage 1 125 min. volts D-C Heater-Cathode Potential 90 max. volts Typical Operation: Plate and Target Supply 125 250 volts Series Triode-Plate Resistor** megohm 1 1 Target Current*** 0.8 2 ma. Triode-Plate Current*** 0.2 ma. 0.1 Triode-Grid Voltage (Approx.): For shadow angle of 00 volts -4.0For shadow andle of 90° volts

The plane of the ray-control electrode passes through pins No. 2 and

Designated as R in circuit diagram. † Subject to wide variations. For zero triode-grid voltage. Indicates a change.

The 6E5 is a high-vacuum type of tube designed to indicate visually the effect of change in the controlling voltage. For different controlling voltages, the shaded pattern produced on the fluorescent target varies through an angle from 90° to approximately 0°. The extent of the shaded area is controlled by the voltage on the ray-control electrode which is an extension of the triode plate between cathode and target. age on the ray-control electrode is determined by the voltage applied to the grid of the triode connected as a d-c amplifier as shown in the A decrease in triode-grid bias decreases the voltage on the ray-control electrode: conversely, an increase produces an increased

voltage on the ray-control electrode. In the practical use of the 6E5 as a tuning indicator, controlling voltage applied to the triode-grid is obtained from a suitable point in the a.v.c. circuit.



The license extended to the purchaser of tubes appears in the License Notice accompanying them. Information contained herein is furnished without assuming any obligations. Indicates a change.





AVERAGE CONTROL CHARACTERISTICS

