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
TRIODE-PLATE DISSIPATION .......... 125 min. volts
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.

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