

Color Picture Tube

"PERMA-CHROME" ASSEMBLY FOR OPTIMUM FIELD
PURITY AND UNIFORMITY DURING WARM-UP

RECTANGULAR TUBE
MAGNETIC CONVERGENCE

90° MAGNETIC DEFLECTION
3 ELECTROSTATIC-FOCUS GUNS

ALUMINIZED TRICOLOR PHOSPHOR-DOT *Hi-Lite* SCREEN
(Utilizing a New, Improved Rare-Earth Red-Emitting Phosphor)

For Use in Color-TV Receivers

The 25YP22 is the same as the 25XP22 except for the following items:

OPTICAL

Faceplate. Filterglass
Light transmission (Approx.) 69%
Faceplate does not have an integral protective window^a

MECHANICAL

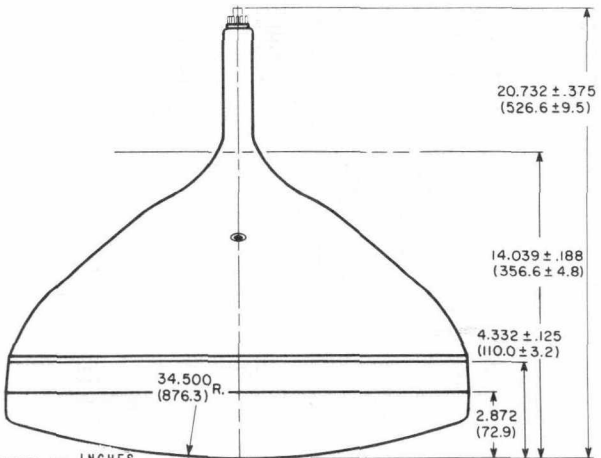
Tube Dimensions

Overall length $20.732 \pm .375$ in (526.6 ± 9.5 mm)
Weight (Approx.) 37 lb (16.8 kg.)

^a It is recommended that the cabinet be provided with a shatter-proof, glass cover over the face of the 25YP22 to protect it from being struck accidentally and to protect against possible damage resulting from tube implosion under some abnormal condition. This safety cover can also provide x-radiation protection when required.

DIMENSIONAL OUTLINE

Dimensions shown are only those which are different from the corresponding dimensions for the 25XP22



DIMENSIONS IN INCHES
(mm)

Note: In side view, spherical radius = 34.000 in (863.6 mm).



RADIO CORPORATION OF AMERICA
Electronic Components and Devices
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DATA
4-67

Typical Light-Output Characteristic

HEATER VOLTAGE : 6.3 VOLTS

ANODE-TO-CATHODE VOLTAGE : 25000 VOLTS

GRID-No. 3-TO-CATHODE VOLTAGE ADJUSTED FOR FOCUS.

DRIVE OF EACH GUN IS ADJUSTED TO GIVE COMPOSITE ANODE

CURRENT TO PRODUCE 9300° K+27 M.P.C.D. WHITE-LIGHT OUTPUT.

PERCENTAGE OF TOTAL ANODE CURRENT SUPPLIED BY EACH GUN

TO PRODUCE 9300° K+27 M.P.C.D. WHITE:

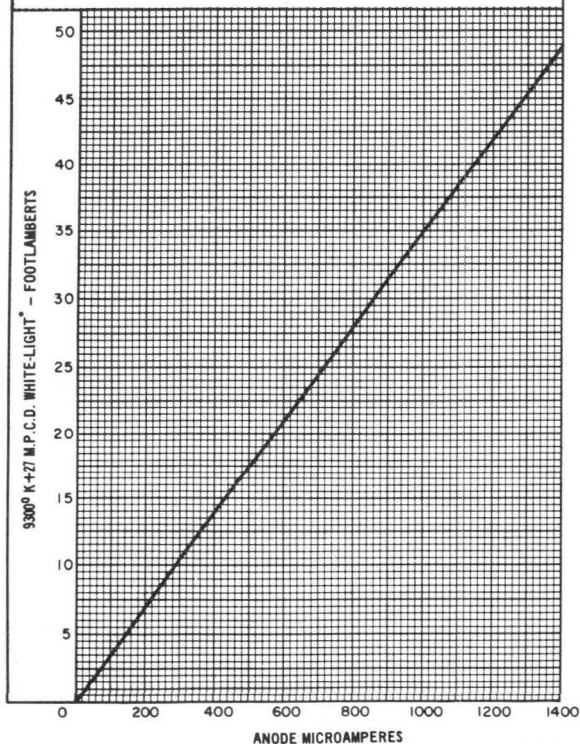
RED GUN: 34%

BLUE GUN: 32%

GREEN GUN: 34%

RASTER SIZE: 19.875" X 15.575" (504.8 mm X 395.6 mm)

*MEASURED WITHIN 5" - DIAMETER AREA CENTERED ON TUBE FACE.



92LM-1955

