

Color Picture Tube

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

RECTANGULAR TUBE 90° MAGNETIC DEFLECTION
ALUMINIZED TRICOLOR PHOSPHOR-DOT "Hi-Lite" SCREEN
(Utilizing an Improved Rare-Earth Red-Emitting Phosphor)
MAGNETIC CONVERGENCE 3 ELECTROSTATIC-FOCUS GUNS

For Use in Color-TV Receivers

The 22KP22 is the same as the 22JP22 except for the following items:

OPTICAL

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

MECHANICAL

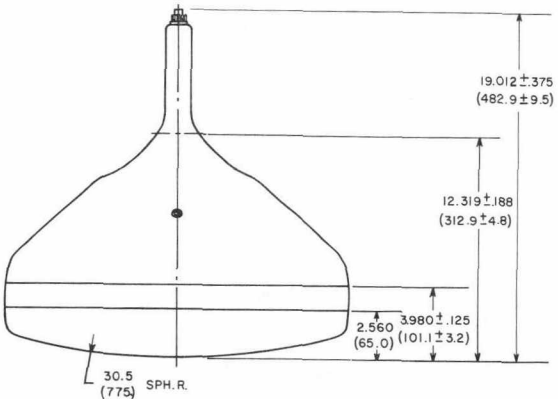
Tube Dimensions

Overall length. $19.012 \pm .375$ in (482.9 ± 9.5 mm)
Weight (Approx.) 28 lb (12.7 kg)

^a It is recommended that the cabinet be provided with a shatter-proof, glass cover over the face of the 22KP22 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 22JP22



DIMENSIONS IN INCHES
(mm)

92LS-1299R1



RADIO CORPORATION OF AMERICA
Electronic Components and Devices
Harrison, N. J.

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 9300⁰ K + 27 M.P.C.D. WHITE-LIGHT OUTPUT.

PERCENTAGE OF TOTAL ANODE CURRENT SUPPLIED BY EACH GUN

TO PRODUCE 9300⁰ K + 27 M.P.C.D. WHITE:

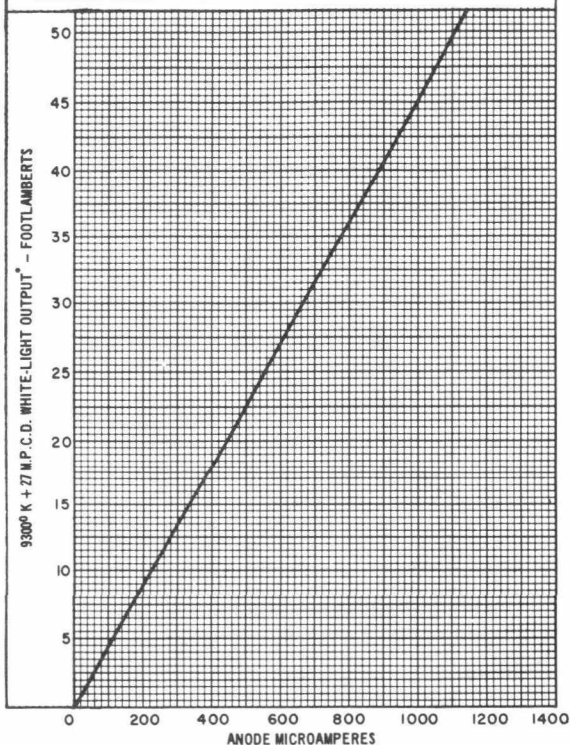
RED GUN : 34%

BLUE GUN : 32%

GREEN GUN : 34%

RASTER SIZE: 17.446" X 13.640" (443.1 mm X 346.5 mm)

*MEASURED WITHIN 4" - DIAMETER AREA CENTERED ON TUBE FACE.



92LM-1961

