

## 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<sup>a</sup>

### MECHANICAL

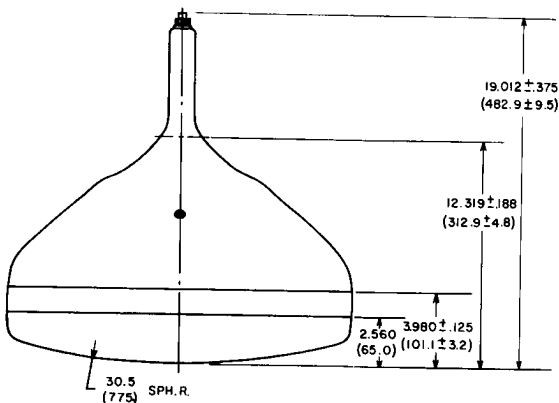
#### Tube Dimensions

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

<sup>a</sup> 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



## 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:

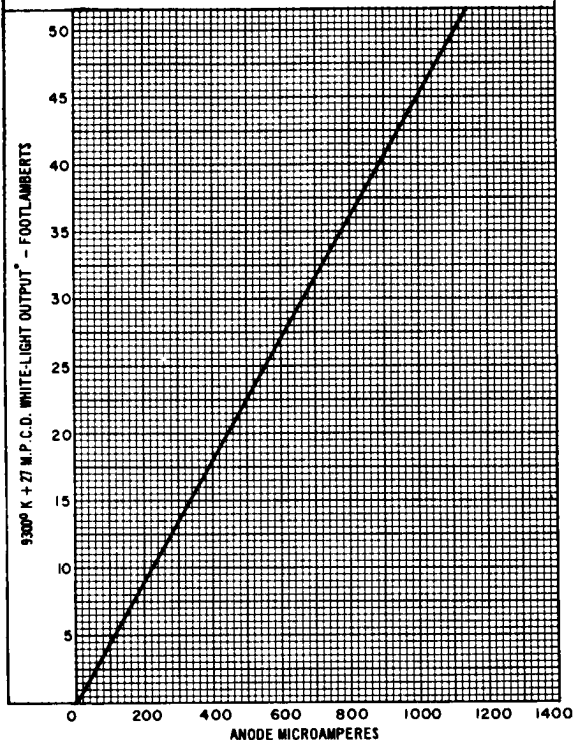
RED GUN : 34%

BLUE GUN : 32%

GREEN GUN : 34%

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

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



92LM-1961

