

25YP22

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

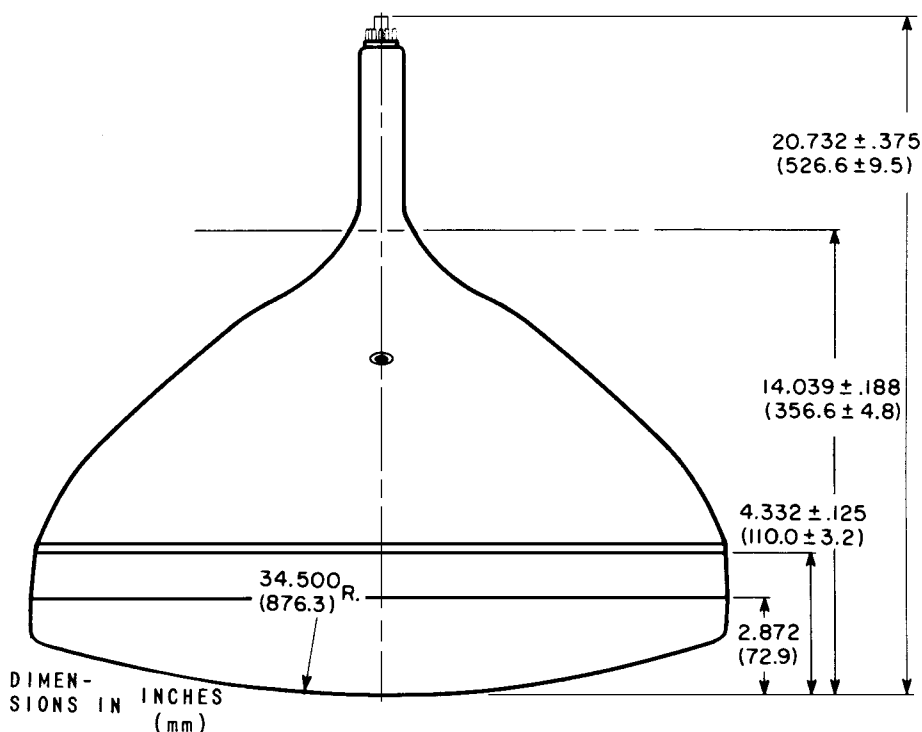
Tube Dimensions

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*



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



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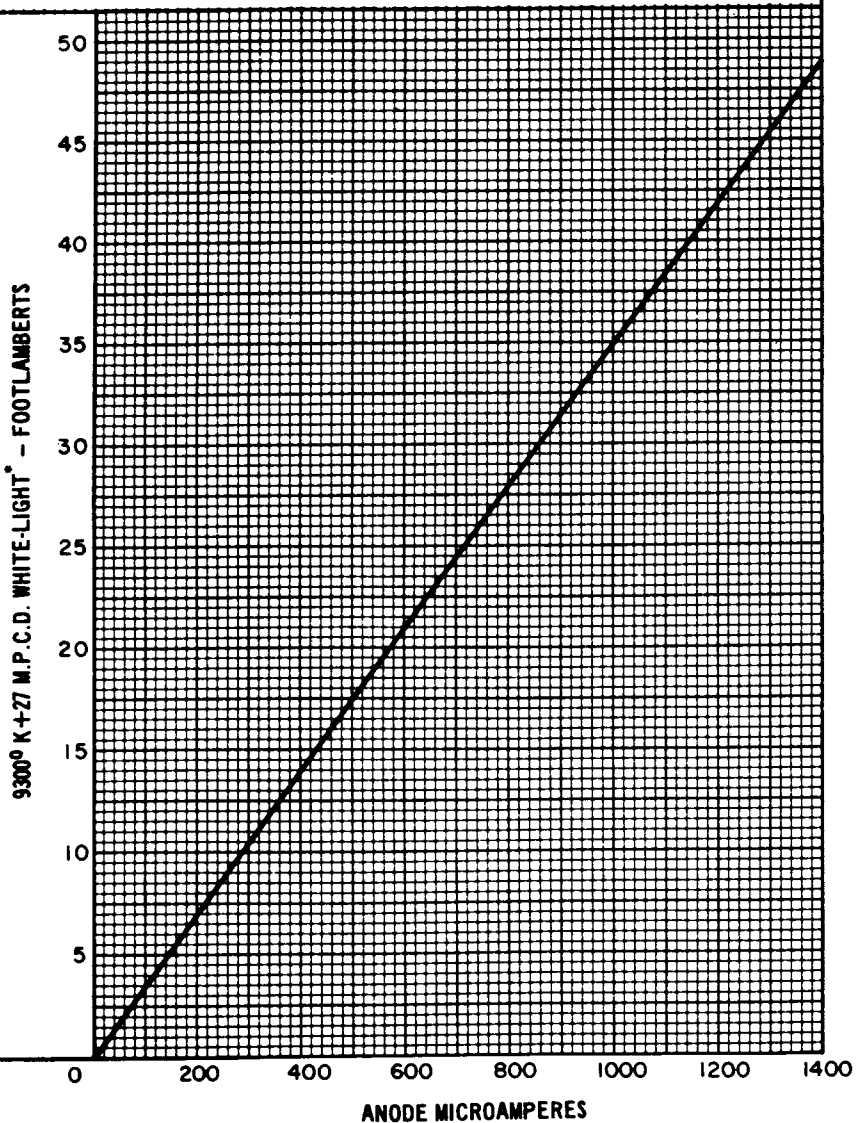
DATA
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Typical Light-Output Characteristic

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

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



92LM-1955