

25BP22A

Color Picture Tube

RECTANGULAR TUBE 90° MAGNETIC DEFLECTION
 ALUMINIZED TRICOLOR PHOSPHOR-DOT *Hi-Lite* SCREEN
 (Utilizing a Rare-Earth Red-Emitting Phosphor)
 MAGNETIC CONVERGENCE 3 ELECTROSTATIC-FOCUS GUNS
 For Use in Color-TV Receivers

The 25BP22A is the same as the 25AP22A except for the following items:

Optical:

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

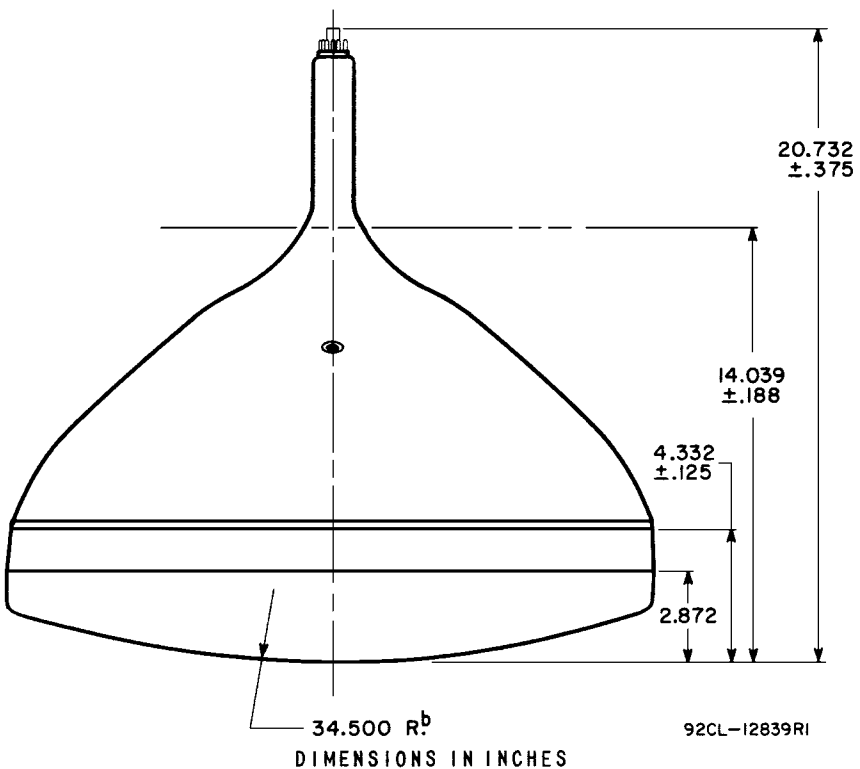
Mechanical:

Tube Dimensions:
 Overall length 20.732" $\pm$.375"
 Weight (Approx.) 37 lbs

^a It is recommended that the cabinet be provided with a shatter-proof, glass cover over the face of the 25BP22A 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 25AP22A



^b Short side has a radius of 34.000" R. In diagonal view, radius = 34.500" R.



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 Electronic Components and Devices Harrison, N. J.

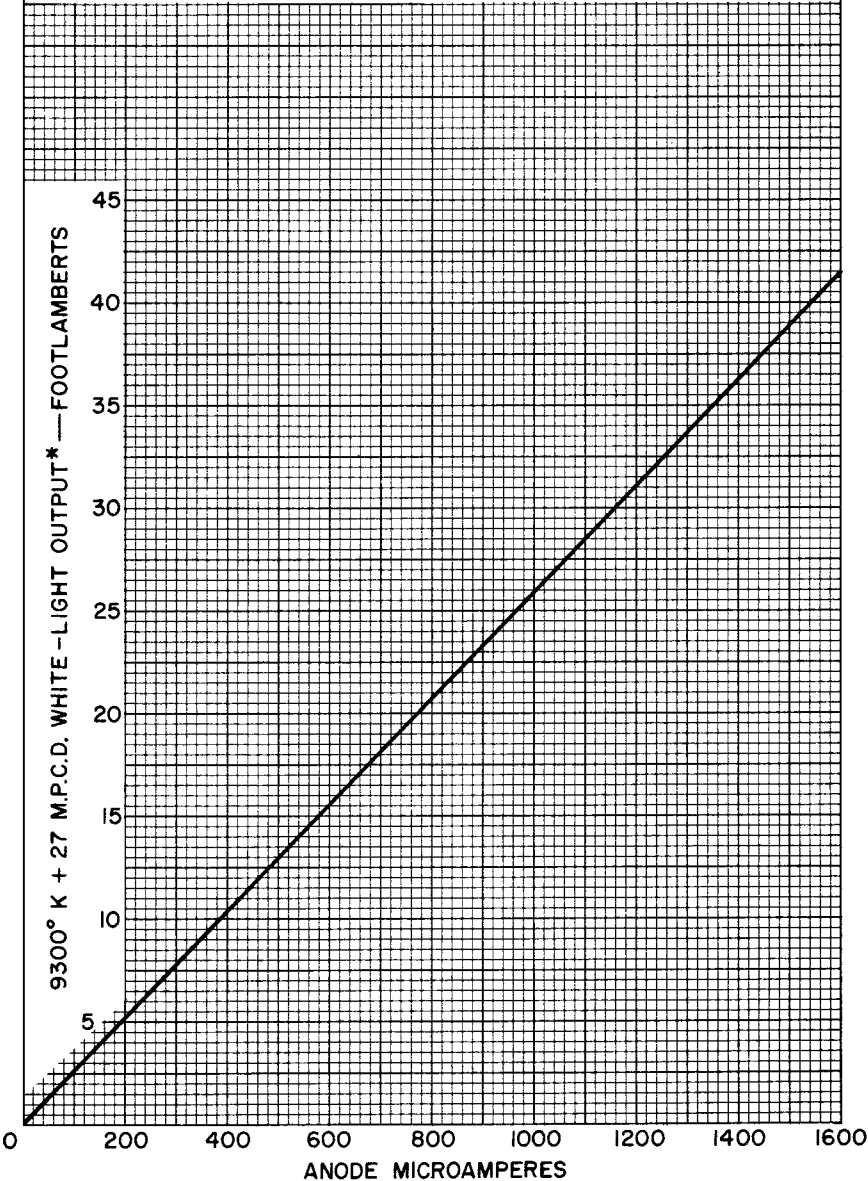
DATA
 5-65

25BP22A

Typical Light-Output Characteristic

HEATER VOLTAGE = 6.3 VOLTS
ANODE-TO-CATHODE VOLTAGE = 25,000 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 : 42%
BLUE GUN : 25%
GREEN GUN : 33%

RASTER SIZE : 19.875" x 15.575"
*MEASURED WITHIN 5"-DIAMETER AREA CENTERED ON TUBE FACE.



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