

19EXP22

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 19EXP22 is the same as the 19EYP22 except for the following items:

OPTICAL

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

MECHANICAL

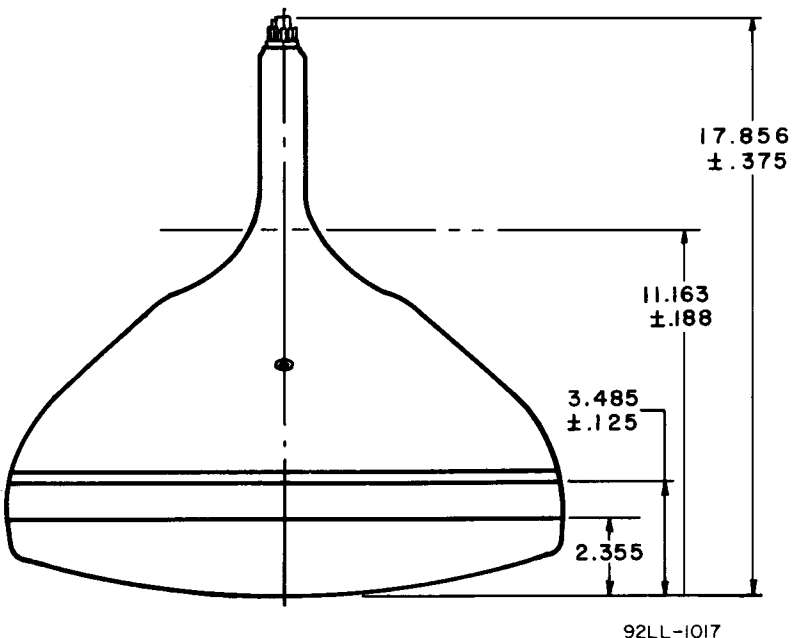
Tube Dimensions

Overall length. 17.856 ± .375 in
Weight (Approx.) 21 lb

^a It is recommended that the cabinet be provided with a shatter-proof, glass cover over the face of the 19EXP22 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 19EYP22



DIMENSIONS IN INCHES

Note: In diagonal view, spherical radius = 27.3" R.

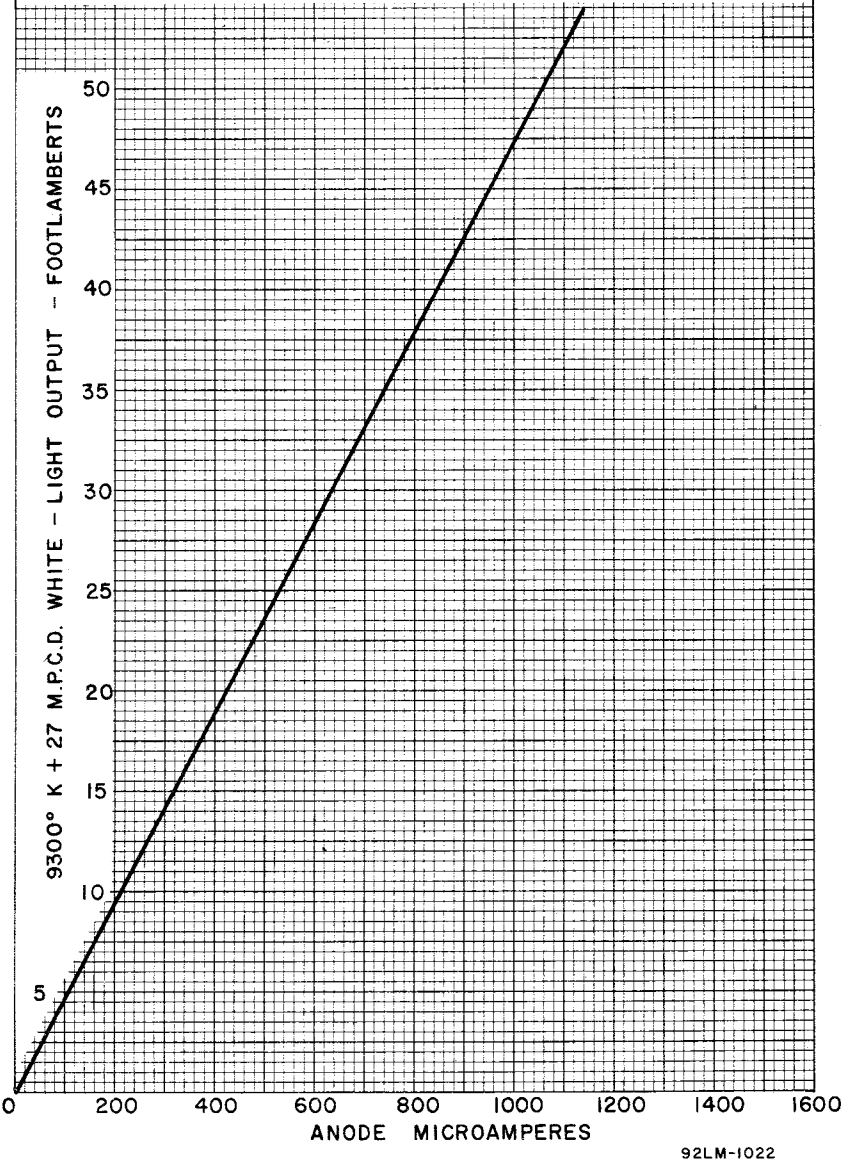


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DATA
9-65

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 : 37%
BLUE GUN : 26%
GREEN GUN: 37%
RASTER SIZE: 15.585" X 12.185"
* MEASURED WITHIN 4"-DIAMETER AREA CENTERED ON TUBE FACE.



92LM-1022

