Color Picture Tube

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

RECTANGULAR TUBE  90° MAGNETIC DEFLECTION MAGNETIC CONVERGENCE  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 19GVP22 is the same as the 19GWP22 except for the following items:

OPTICAL

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

MECHANICAL

Tube Dimensions
Overall length .................. 17.856 ± 0.375 in (453.5 ± 9.5 mm)
Weight (Approx.) ................. 21 lb (9.5 kg)

* It is recommended that the cabinet be provided with a shatter-proof, glass cover over the face of the 19GVP22 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 19GWP22

[Diagram showing dimensions in inches (mm)]

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 6300°K - 27 M.P.C.D. WHITE-LIGHT OUTPUT.
PERCENTAGE OF TOTAL ANODE CURRENT SUPPLIED BY EACH GUN
TO PRODUCE 6300°K - 27 M.P.C.D. WHITE
RED GUN: 34%
BLUE GUN: 34%
GREEN GUN: 34%

RASTER SIZE: 15.585 x 12.185" (395.9 mm X 309.5 mm)
*MEASURED WITHIN 4"-DIAMETER AREA CENTERED ON TUBE FACE