

25BHP22

Color Picture Tube

PERMA-CHROME

HI-LITE Screen

Rare-Earth (Red) Phosphor

Integral Implosion Protection — Banded Type

This data sheet is to be used in conjunction with data for RCA-25AJP22.

For general data, maximum and minimum ratings, equipment design ranges, limiting circuit values, x-radiation warning and base specification of the 25BHP22, refer to the 25AJP22 except as noted below.

MECHANICAL

Bulb Panel Designation JEDEC No.FP196-1/2HI

OPTICAL

Faceplate:

Light transmission at center (Approx.) 52%

EQUIPMENT DESIGN RANGES

To Product White of 9300° K + 27 M.P.C.D.
(CIE Coordinates $x = 0.281$, $y = 0.311$):

Percentage of total anode current supplied by each gun (average)	Red 30	Blue 31	Green 39	%
Ratio of cathode currents:		Min	Typ	Max
Red/blue		0.75	0.95	1.25
Red/green		0.60	0.75	1.10
Blue/green		0.60	0.80	1.10

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TYPICAL LIGHT-OUTPUT CHARACTERISTIC

HEATER VOLTAGE = 6.3 V

ANODE - TO - CATHODE VOLTAGE = 25,000 V

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:

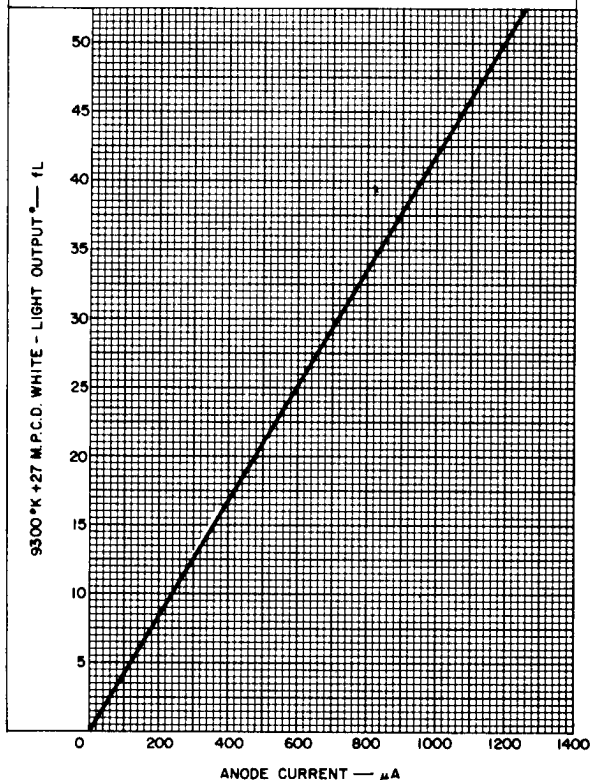
RED GUN: 30%

BLUE GUN: 31%

GREEN GUN: 39%

RASTER SIZE: 19.875" x 15.575" (504.82 mm x 395.60 mm)

* MEASURED WITHIN 5" (127 mm) DIAMETER AREA CENTERED ON TUBE FACE.



92LM - 3430