

25BGP22

Color Picture Tube

PERMA-CHROME

HI-LITE Screen

Rare-Earth (Red) Phosphor

Antiglare Integral Protective Window

**This data sheet is to be used in conjunction
with data for RCA-25XP22.**

For general data, terminal diagram, maximum and minimum ratings, equipment design ranges, limiting circuit values, x-radiation warning, and general considerations of the 25BGP22, refer to the 25XP22 except as noted below.

MECHANICAL

Bulb Panel Designation JEDEC No.FP196-1/2A3

OPTICAL

Faceplate and Protective Window

Light Transmission at center (Approx.) 52.5%

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

	Red	Blue	Green	%
each gun (average)	30	31	39	

Ratio of cathode currents:

	Min	Typ	Max
Red/blue	0.75	0.95	1.25

Red/green	0.60	0.75	1.10
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Blue/green	0.60	0.80	1.10
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25BGP22

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:

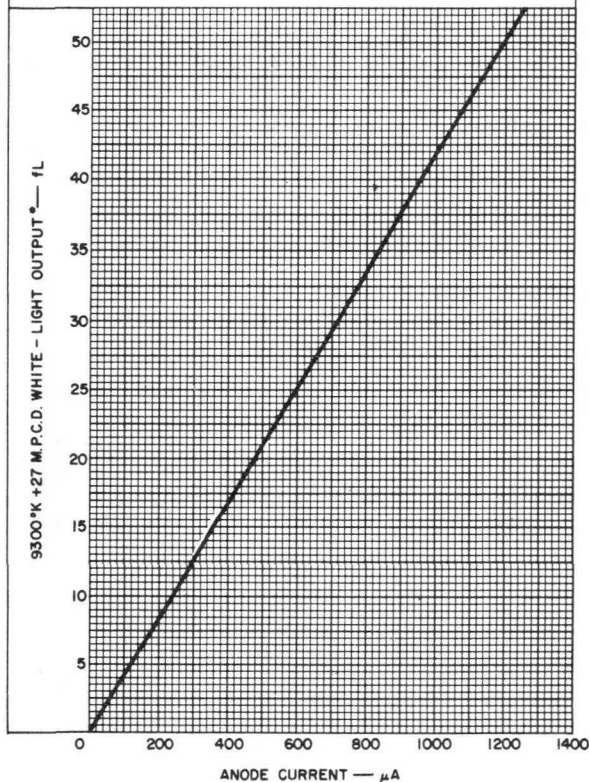
RED GUN: 30%

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