

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 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

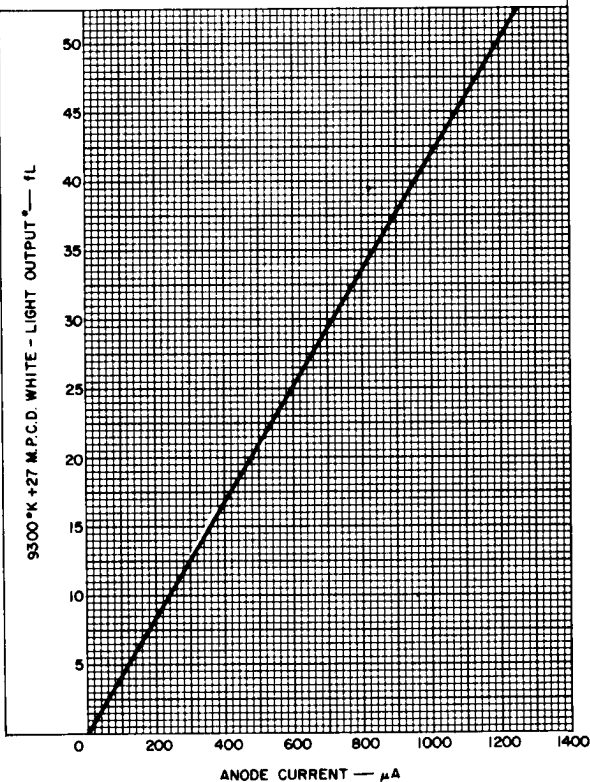
25BGP22

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 395.60mm)
* MEASURED WITHIN 5" (127 mm) DIAMETER AREA CENTERED ON
TUBE FACE.



92LM - 3430