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):

<table>
<thead>
<tr>
<th>Percentage of total anode current supplied by each gun (average)</th>
<th>Red</th>
<th>Blue</th>
<th>Green</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>30</td>
<td>31</td>
<td>39</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Ratio of cathode currents:</th>
<th>Min</th>
<th>Typ</th>
<th>Max</th>
</tr>
</thead>
<tbody>
<tr>
<td>Red/blue</td>
<td>0.75</td>
<td>0.95</td>
<td>1.25</td>
</tr>
<tr>
<td>Red/green</td>
<td>0.60</td>
<td>0.75</td>
<td>1.10</td>
</tr>
<tr>
<td>Blue/green</td>
<td>0.60</td>
<td>0.80</td>
<td>1.10</td>
</tr>
</tbody>
</table>
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.

\[ \text{ANODE CURRENT - } \mu \text{A} \]

\[ 0 \quad 200 \quad 400 \quad 600 \quad 800 \quad 1000 \quad 1200 \quad 1400 \]