

| <b>Color Picture Tube Product Specification Summary</b> |                   |                |
|---|-------------------|----------------|
| <b>Tube Dimension</b>                                   |                   | <b>20" PLS</b> |
| <b>Electrical</b>                                       | Units             |                |
| Heater current at 6.3V                                  | mA                | 600            |
| Focus Lens  |                   | QPF            |
| Deflection angle (approximate)                          |                   |                |
| Diagonal (degree)                                       | (--) <sup>o</sup> | 90             |
| Horizontal (degree)                                     | (--) <sup>o</sup> | 78             |
| Vertical (degree)                                       | (--) <sup>o</sup> | 60             |
| <b>Optical</b>  |                   |                |
| Neck Dimension ( $\phi$ )                               | mm                | 29.1           |
| Center Transmission rate                                | %                 | 52.0           |
| Arrangement in Vertical line                            |                   |                |
| Center  | mm                | 0.78           |
| Corner  | mm                | 0.85           |
| <b>Mechanical</b>                                       |                   |                |
| Overall Length  | mm                | 434.5+/-3.0    |
| Neck Length   | mm                | 141.2+/-3.3    |
| Minimum useful screen (Projected)                       |                   |                |
| Diagonal  | mm                | 480            |
| Horizontal  | mm                | 404.4          |
| Vertical  | mm                | 303.3          |
| Weight  | kg                | 14.0           |
| <b>Dimensional outlines</b>                             |                   |                |
| Z Point to Lug - Typical 1                              | mm                | 38.5           |
| Z Point to Lug - Typical 2                              | mm                | ---            |
| <b>Tube Dimension</b>                                   |                   | <b>20" PLS</b> |
| <b>Maximum /Minimum Design Rating</b>                   |                   |                |
| Anode   | kV                | 27.5           |
| Total anode current                                     | mA                | 1000           |
| G3 (Focusing electrode) voltage                         | kV                | 10             |
| Heater voltage (AC or DC)                               | V                 | 6.9/5.7        |
| <b>Others</b>   |                   |                |
| Mask Type   |                   | AK             |
| RCOEK   |                   | 1.25           |
| <b>DY Sources</b>                                       |                   |                |
| Totoku  |                   |                |
| Makolin(Malaysia)                                       |                   | ✓              |
| JVC (Japan/Thailand)                                    |                   |                |
| Hitachi (Malaysia)                                      |                   |                |
| Xian Yang (China)                                       |                   | ✓              |
| <b>DY Impedance (3 common type)</b>                     |                   |                |
| Lh  | mH                | 1.70           |
| Lv  | mH                | 30.00          |
| Rh  | ohm               | 1.73           |
| Rv  | ohm               | 13.60          |
| <b>DY Impedance</b>                                     |                   |                |
| Lh  | mH                | 1.92           |
| Lv  | mH                | 30.00          |
| Rh  | ohm               | 2.00           |
| Rv  | ohm               | 13.60          |
| <b>DY Impedance</b>                                     |                   |                |
| Lh  | mH                | 2.20           |
| Lv  | mH                | 30.00          |
| Rh  | ohm               | 2.20           |
| Rv  | ohm               | 13.60          |