

## 4. CRT SPECIFICATIONS

Type	Tension Mask M50LRB15X
Size Angle	55 cm (21 inch) class 90° deflection
Electron Gun	In-line Gun
AG Pitch	0.24 mm
Phosphor Chromaticity Coordinates	P22 (Short) Red: x=0.625 y=0.340 Green: x=0.280 y=0.605 Blue: x=0.155 y=0.070 Tolerance ±0.02
CRT Surface	Anti-Reflective Anti-Static Coating (SuperErgoCoat®)
Light Transmission	41 % approx.
Limits of M.P.D. (Missing Phosphor Dots)	Refer to the below.

### 4.1 Limitation of the Missing Phosphor Dots

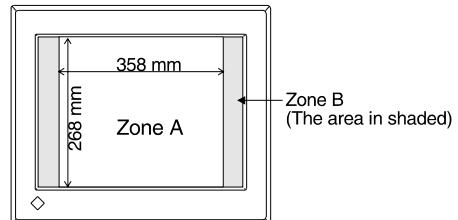
#### (1) Quality Zones

The effective screen is divided into two quality zones.

Zone A: inside the center rectangle,

358 mm wide x 268 mm high.

Zone B: outside Zone A.



#### (2) Limits

Width of the missing phosphor dots (M.P.D.) is the average diameter (the longest + the shortest ÷ 2), unless otherwise specified in the following section, "Missing Phosphor Dots".

- **Missing Phosphor Dots (M.P.D.)**

#### (1) High Contrast

The defects are defined by the graphite or dusts which interrupts the lights from the phosphor.

D: Average diameter of defects (mm)	Max allowable quantity (pcs)		Min. allowable distance (mm)
	Zone A	Zone B	
D≤0.10	-	-	-
0.11≤D≤0.25	2	4	20
0.26≤D≤0.50	1	2	40
0.51≤D≤0.75	0	1	50

**(2) Black spot, filled mask holes**

D: Average diameter of defects (mm)	Max allowable quantity (pcs)			Min. allowable distance (mm)
	Zone A	Zone B	A+B	
0.51≤D	0	0	0	-----
0.31≤D≤0.5	4	4	6	30
0.15<D≤0.31	6	6	10	30

**(3) Foreign materials, Stains**

D: Average diameter of defects (mm)	Max allowable quantity (pcs)		Min. allowable distance (mm)
	Zone A	Zone B	
D≤0.10	0	0	-----
0.11≤D≤0.25	2	4	30
0.26≤D≤0.50	2	2	40
0.51≤D≤0.75	0	1	80

**• Glass defects on the surface**

The defects are defined by the scratches on the surface and bubbles.

**(1) Scratches on the surface**

W: Width (mm)	Max. length (mm)
W≤0.05	No Limits
0.05<W≤0.10	26
0.10<W≤0.15	13
0.15<W	Not allowed

**(2) Bubbles, Scratched bubbles**

D: Average diameter of defects (mm)	Max allowable quantity (pcs)			Min. allowable distance (mm)
	Zone A	Zone B	A+B	
0.76≤ D	0	0	0	30
0.51≤D≤0.75	0	1	1	30
0.26≤D≤0.50	2	3	5	30
0.11≤D≤0.25	-----	-----	-----	-----