

4. CRT SPECIFICATIONS

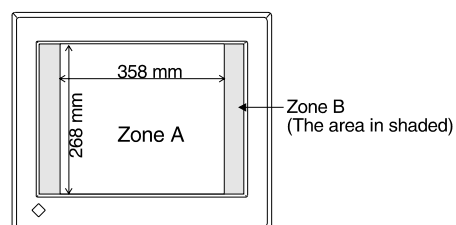
Type	Tension Mask M50LRB15X
Size Angle	55 cm (21 inch) class 90° deflection
Electron Gun	In-line Gun
AG Pitch	0.24 mm
Phosphor Chromaticity Coordinates	P22 (Short) Red: $x=0.625$ $y=0.340$ Green: $x=0.280$ $y=0.605$ Blue: $x=0.155$ $y=0.070$ Tolerance ± 0.02
CRT Surface	Anti-Reflective Anti-Static Coating (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 \div 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	
$D \leq 0.10$	-	-	-
$0.11 \leq D \leq 0.25$	2	4	20
$0.26 \leq D \leq 0.50$	1	2	40
$0.51 \leq D \leq 0.75$	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	
$0.51 \leq D$	0	0	0	-----
$0.31 \leq D \leq 0.5$	4	4	6	30
$0.15 < D \leq 0.31$	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	
$D \leq 0.10$	0	0	-----
$0.11 \leq D \leq 0.25$	2	4	30
$0.26 \leq D \leq 0.50$	2	2	40
$0.51 \leq D \leq 0.75$	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)
$W \leq 0.05$	No Limits
$0.05 < W \leq 0.10$	26
$0.10 < W \leq 0.15$	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	
$0.76 \leq D$	0	0	0	30
$0.51 \leq D \leq 0.75$	0	1	1	30
$0.26 \leq D \leq 0.50$	2	3	5	30
$0.11 \leq D \leq 0.25$	-----	-----	-----	-----