

# 1. Pixel Defect Criteria for LG TFT LCD Monitors



Since the LCD Modules are manufactured with a most sophisticated process, LCD Module makers have specified limitations of defective pixels to maintain a reasonable price of them.

To provide the highest quality in the market, LG uses selected LCD Modules and sets limits as to the allowable number of Pixel defects. The following pixel criteria are more strict than ISO specification (ISO 13406-2, Class 2) and equivalent to 1ppm (parts per million).

## ◆ Monitor Module

		15"	17"	19"	20.1"	23"
Bright Dot	R,G or B 1 dot	2	2	4	5	2
	Adjacent 2 dots	1	1	1	1	1
	Total amount of Bright dots	2	2	4	5	2
	Bright dot density	Min. 20mm	Min. 20mm	Min. 20mm	Min. 15mm	Min. 15mm
Dark Dot	R,G or B 1 dot	2	4	4	6	4
	Adjacent 2 dots	2	1	1	1	1
	Total amount of dark dots	2	4	4	6	4
	Dark dot density	Min. 20mm	Min. 20mm	Min. 20mm	Min. 5mm	Min 15mm
Total amount of Dot defects		2	4	4	6	7

This Criteria is valid form Oct 2004.

## 2. Pixel Defect Criteria for LG LCD-TV



### ◆ LCD-TV Module

		15"	17" W	20.1"	23" W	26"W	30"W	32"W	37"W	42"W	55"W
Bright Dot	R,G or B 1 dot	1	1	1	1	2	2	2	3	3	4
	Adjacent 2 dots	0	0	0	0	1	1	1	1	1	1
	Total amount of Bright dots	1	1	1	0	2	2	2	3	3	4
	Bright dot density					Min. 20mm	Not allowed	Min. 30mm	Min. 30mm	Min. 30mm	Min. 30mm
Dark Dot	R,G or B 1 dot	4	4	3	4	6	4	6	8	8	8
	Adjacent 2 dots	1	1	1	1	1	1	2	2	2	2
	Total amount of dark dots	4	4	4	4	6	4	8	10	10	10
	Dark dot density	Min. 20mm	Min. 20mm	Min. 10mm	Min. 20mm	Min. 10mm	Not allowed	Min. 20mm	Min. 20mm	Min. 20mm	Min. 20mm
Total amount of Dot defects	4	4	5	4	8	5	10	10	12	14	

This Criteria is valid form Oct 2004.