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| Document No. | | Revision | 1.0 |

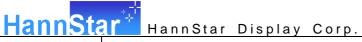
INCOMING INSPECTION STANDARD

Model: HSD 7-inch WVGA(MDL) Series

| Accepted by: | | | |
|---|------|--|--|
| Signature | Date | | |
| Proposed by: Technical Service Division | | | |
| Signature | Date | | |

Note:1.Please contact HannStar Display Corp. before designing your product based on this module specification.

2.The information contained herein is presented merely to indicate the characteristics and performance of our products. No responsibility is assumed by HannStar for any intellectual property claims or other problems that may result from application based on the module described herein.



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| | | Record of Revisions |
|-------------|------|-----------------------|
| Rev. | Date | Description of change |
| Rev. 1.0 | Date | |
| | | |



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1.0 PURPOSE:

This Incoming Inspection Standards shall be apply to TFT-LCD Module

2.0 VISUAL INSPECTION CRITERIA

- 2.1.Inspection condition is as followings
 - Viewing distance is approximately 30 cm
 - Viewing angle is referred to the CAS.
 - Ambient temperature is in the room temperature
 - Ambient illumination is 300±50 Lux.

| Defect type | | Criteria | | |
|-------------------|--|--|---|--|
| | Area (Note 2) | | I | 0 |
| | Bright Dots (Note 3) | | N ≦ 0 | N ≦ 2 |
| | Dark Dots (Note 4) | | N ≦ 2 | N ≦ 4 |
| | Bright Dot- 2 Adjacent (Note 5) | | N | ≦ 0 |
| | Dark Dots- 2 Ac | djacent (Note 6) | N | ≦ 0 |
| Electrical defect | Dark or Bright I | Pots- 3 and More Adjacent | N | ≦ 0 |
| | Total Bright and | Dark Dots | N ≦ 4 | |
| | Minimum Distar | nce Between Bright Dots | 5 1 | mm |
| | Minimum Distar | nce Between Dark Dots | 51 | mm |
| | Minimum Distance Between Dark And Bright Dots 5 mr | | mm | |
| | | Circular Foreign Material : Dark/ Bright Spot | 3.D>0.5mm: I | No count ⊆0.5mm, N≤4 Not allowable |
| | Foreign Material | | Invisible under ND5% 0.1mm < W ≤ 0.5mm, | |
| | | Linear Foreign Material : Bright or Dark Line | 0.3mm < L ≤ 1.5mm, N ≤ 4 | |
| Visual defect | | Bright or Dark Line | Visible under ND5% 0.05mm≤W≤0.1mm, | |
| | | | 0.3mm≤L≤0 | • |
| | Polarizer | Linear Scratch | $0.05 mm \le W \le 0.2 mm$, $1.0 mm \le L \le 5.0 mm$, $N \le 4$ | |
| | | Bubble/ Peeling | 0.15 mm \leq D $<$ 0.5mm,N \leq 4 | |
| | Mura & Leak | & Leak | | 05% |

D: diameter, N: number, W: horizontal width, L: vertical height



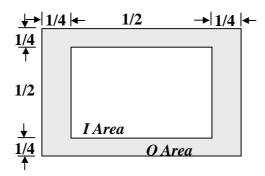
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2.2. Others

Note(1) a. Every dot herein means sub-pixel(Each Red, Green, Blue Color).

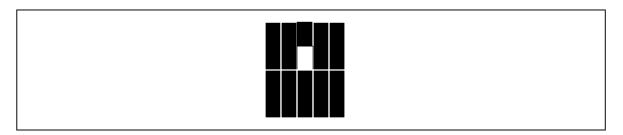
- b. Damaged less than half size of sub-pixel is not counted as defect.
- c. Extraneous substances which can be wiped out are not considered as defect.
- d. Defects which is on the Black Matrix(Outside of Active Area) are not considered as defect.

Note (2) Definition of Area



Note (3) Bright dot defect definition

-bright area is more than 50% of one dot .All bright dot defect must be visible through 5% ND filter.

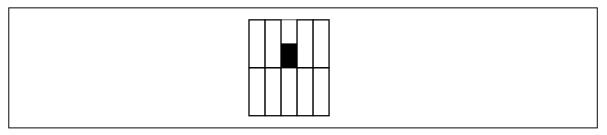




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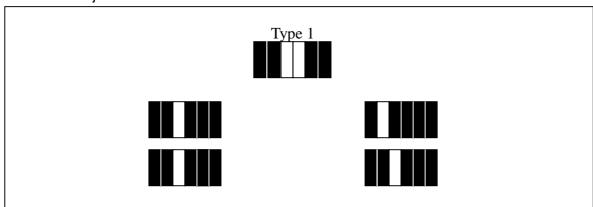
Note (4) Dark dot defect definition

-Dark area is more than 50% of one dot . All bright dot defect must be visible through 5% ND filter.



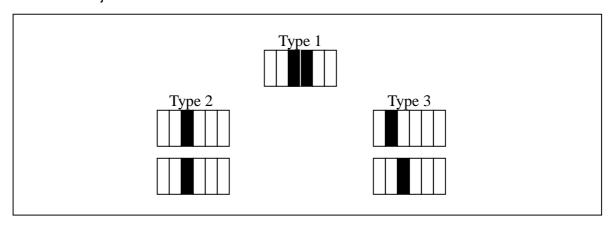
Note (5) Bright dot defect description

- Two adjacent



Note (6) Dark dot defect description

- Two adjacent





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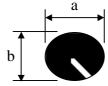
Note (7) Dark dot defect description - Three adjacent Type 1 Type 2 Type 3 Type 4 Note (8) Minimum distance between dot defects Bright dot to bright dot < 5mm NG Dark dot to dark dot < 5mm NG Bright dot to dark dot < 5mm NG



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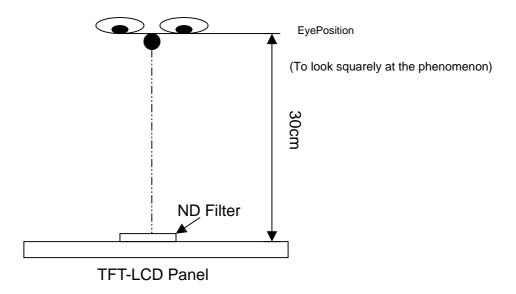
Note (9) "Average Diameter" description

Average Diameter = (a+b)/2



The defect that are not defined above and considered to be problem shall be reviewed and discussed by both parties.

Note (10) Bright dot, mura and leak are defined through transmission ND Filter as following.



Note (11) It doesn't matter weather silicon or EGC is used for frame spread, the product is always reliable.