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가 가 가
1-12-1
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(54)

, ,
T_O가 (T_G -50 ') (T_G +30) , T_G
LCD PDP ,

, (FPD) (LCD), (PDP) .

, , FPD, TFT-LCD, PDP

, , . , , .

(網製) 가 (bath) . ,

600 , 1050 , 550 , 가 , 가

가 , 가

TFT-LCD , RGB TFT , TFT-LCD

TFT-LCD TFT

TFT-LCD 가

), 가 , (, TFT-LC

1. , T_G

2. $T_G + 20$, 1

3. 가 1.5mm , 1 2

4. 가 3mm , 1, 2 3 .
5. 가 1.5mm , 2 .
6. 가 SiO_2 40 85%, Al_2O_3 0 35%, B_2O_3 0 25%, $\text{MgO} + \text{CaO} + \text{SrO} + \text{BaO} + \text{ZnO}$ 1 50%, $\text{Li}_2\text{O} + \text{Na}_2\text{O} + \text{K}_2\text{O} + \text{Rb}_2\text{O} + \text{Cs}_2\text{O}$ 0 1% , 1 5 .
7. 가 SiO_2 40 85%, Al_2O_3 2 35%, B_2O_3 0 25%, $\text{MgO} + \text{CaO} + \text{SrO} + \text{BaO} + \text{ZnO}$ 1 50%, $\text{Li}_2\text{O} + \text{Na}_2\text{O} + \text{K}_2\text{O} + \text{Rb}_2\text{O} + \text{Cs}_2\text{O}$ 1.1 30% , 1 5 .
8. 가 SiO_2 40 80%, Al_2O_3 0 2%, $\text{MgO} + \text{CaO} + \text{SrO} + \text{BaO} + \text{ZnO}$ 1 50%, $\text{Li}_2\text{O} + \text{Na}_2\text{O} + \text{K}_2\text{O} + \text{Rb}_2\text{O} + \text{Cs}_2\text{O}$ 1.1 30% , 1 5 .

()

(, TFT-LCD LCD) (0.3mm 1.5mm)

, PDP 1.5mm 3mm .

400kPa 가 . 400kPa , TFT-LCD 300kPa

25mm 50mm

TFT-LCD , 20 100 /h () 450 1h

100 /h 20 A 15ppm . 15ppm

가 .

PDP , 20 100 /h 580 1 . 500ppm

100 /h 20 가 .

가 T_o 가 700mm T_o .

T_o 가 ($T_G + 30$) . ($T_G + 20$) ,

가 1.5mm , T_o ($T_G + 20$)

T_o 가 ($T_G - 50$) 가 . ($T_G - 30$) , (

$T_G - 20$) .

TFT-LCD , SiO_2 40 85%, Al_2O_3 0 35%, B_2O_3 0 25%, $\text{MgO} + \text{CaO} + \text{SrO} + \text{BaO} + \text{ZnO}$ 1 50%, $\text{Li}_2\text{O} + \text{Na}_2\text{O} + \text{K}_2\text{O} + \text{Rb}_2\text{O} + \text{Cs}_2\text{O}$ 0 1% , 5% .

PDP , SiO_2 40 85%, Al_2O_3 2 35%, B_2O_3 0 25%, $\text{MgO} + \text{CaO} + \text{SrO} + \text{BaO} + \text{ZnO}$ 1 50%, $\text{Li}_2\text{O} + \text{Na}_2\text{O} + \text{K}_2\text{O} + \text{Rb}_2\text{O} + \text{Cs}_2\text{O}$ 1.1 .

1 30% SiO₂ 40 80%, Al₂O₃ 0 2%, MgO + CaO + SrO + BaO + ZnO 1 50%, Li₂O + Na₂O + K₂O + Rb₂O + Cs₂O 1.1 30% 5% . .

T_G 가 710 , SiO₂ :59.3%, Al₂O₃ :17.5%, B₂O₃ :7.7%, CaO:4.05%, MgO: 3.25%, BaO:0.16%, SrO:7.64%, Cl:0.15%, F:0.18%, Na₂O:0.01%, Fe₂O₃ :0.056%

가 1600 가 , 1250 . 가 0.8mm () , 가 , 가 T_O (:) , 670 710 , 490 520 , 3 . : ppm) 546mm×546mm , S (: kPa) , A C (

[1]

T ₀	S	C
751	403	-
740	273	-
736	264	-
727	234	13.0
721	195	11.9
707	164	10.6

가

LCD, PDP FPD 가 .

(57) 1. , , T_G , T_O가 (T_G -50) (T_G +30) .

2.

1 ,

 T_o 가 ($T_g + 20$)

.

3.

1 2 ,

가 1.5mm

.

4.

1 2 3 ,

가 3mm

.

5.

2 ,

가 1.5mm

.

6.

1 5 ,

가

 SiO_2 40 85%, Al_2O_3 0 35%, B_2O_3 0 25%, $\text{MgO} + \text{CaO} + \text{SrO} + \text{BaO} + \text{ZnO}$ 1 50%, $\text{Li}_2\text{O} + \text{Na}_2\text{O} + \text{K}_2\text{O} + \text{Rb}_2\text{O} + \text{Cs}_2\text{O}$ 0 1%

.

7.

1 5 ,

가

 SiO_2 40 85%, Al_2O_3 2 35%, B_2O_3 0 25%, $\text{MgO} + \text{CaO} + \text{SrO} + \text{BaO} + \text{ZnO}$ 1 50%, $\text{Li}_2\text{O} + \text{Na}_2\text{O} + \text{K}_2\text{O} + \text{Rb}_2\text{O} + \text{Cs}_2\text{O}$ 1.1 30%

.

8.

1 5 ,

가

 SiO_2 40 80%, Al_2O_3 0 2%, $\text{MgO} + \text{CaO} + \text{SrO} + \text{BaO} + \text{ZnO}$ 1 50%, $\text{Li}_2\text{O} + \text{Na}_2\text{O} + \text{K}_2\text{O} + \text{Rb}_2\text{O} + \text{Cs}_2\text{O}$ 1.1 30%

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