



LMS700KF06

Panel Model	LMS700KF06	Panel Brand	Samsung
Description	a-Si TFT-LCD, 7 inch, 800×480	Panel Type	a-Si TFT-LCD
Another Name	-	OP Temperature	-20 ~ 60 °C
ST Temperature	-40 ~ 85 °C	Vibration Level	-
Features			

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LMS700KF06

Display Area	152.4(W)×91.44(H) mm
Outline Size	163.2(W)×104(H) ×3.6(D) mm
Brightness	350 cd/m ² (Typ.)
Viewing Angle	65/65/50/60 (Typ.)(CR≥10)
Best View on	6 o'clock
Display Colors	16.7M 50% NTSC
Frequency	60Hz
Weight	105g (Typ.)
Pixel Format	RGB Horizontal Stripe
Bezel Opening	-
Surface	-
Contrast Ratio	400:1 (Typ.) (TM)
Display Mode	TN, Normally White, TMR
Response Time	25 (Typ.)(Tr+Td)
Lamp Type	8S3P WLED , Without Driver
Touch Screen	Without
Signal Interface	Parallel RGB (1 ch, 8-bit) , 40 pins , FPC
Input Voltage	3.3V (Typ.)(VCC)
Environment	Operating Temp.: -20 ~ 60 °C ; Storage Temp.: -40 ~ 85 °C

LMS700KF06 Optical Features

OP Temperature	-20 ~ 60 °C
ST Temperature	-40 ~ 85 °C
Vibration Level	-
Features	
Luminance	350 cd/m ² (Typ.)
Contrast Ratio	400:1 (Typ.) (Transmissive)
Good View at	6 o'clock
Response Speed	25 (Typ.)(Tr+Td) ms
Viewing Angle	65/65/50/60 (Typ.)(CR≥10)
Operating Mode	TN, Normally White, TMR
Chromaticity	Wx:0.316; Wy:0.335
Support Color	16.7M (8-bit)
Color Temperature	6287K
White Variation	1.25/1.43 (Typ./Max.)(9 points)
NTSC Ratio	50%
sRGB	68% coverage
Adobe RGB	52% coverage
DCI-P3	52% coverage
Rec.2020	38% coverage
Remarks	sRGB (Rec.709, BT.709), Rec.2020 (BT.2020)
Outdoor Visibility	Sunlight Readable
Transmissivity	-

LMS700KF06 Mechanical Features

OP Temperature	-20 ~ 60 °C
ST Temperature	-40 ~ 85 °C
Vibration Level	-
Features	
Luminance	350 cd/m ² (Typ.)
Contrast Ratio	400:1 (Typ.) (Transmissive)
Good View at	6 o'clock
Response Speed	25 (Typ.)(Tr+Td) ms
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sRGB	68% coverage
Adobe RGB	52% coverage
DCI-P3	52% coverage
Rec.2020	38% coverage
Remarks	sRGB (Rec.709, BT.709), Rec.2020 (BT.2020)

Outdoor Visibility	Sunlight Readable
Transmissivity	-
Number of Pixel	800×480(RGB), WVGA
Arrangement	RGB Horizontal Stripe
Dot Pitch(W×H)	0.1905×0.0635 mm
Pixel Pitch(W×H)	0.1905×0.1905 mm
Active Viewing	152.4(W)×91.44(H) mm
Overall Dim.	163.2(W)×104(H) mm
Bezel Opening	-
Overall Depth	3.4±0.2 mm
Form Shape	Flat Rectangle
Orientation	Landscape type
Aspect Ratio(W:H)	15:9
Shape Style	-
Fixation	Without
Mass	105g (Typ.)
Surface	-

LMS700KF06 Electronics Feature

OP Temperature	-20 ~ 60 °C
ST Temperature	-40 ~ 85 °C
Vibration Level	-
Features	
Luminance	350 cd/m ² (Typ.)
Contrast Ratio	400:1 (Typ.) (Transmissive)
Good View at	6 o'clock
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Outdoor Visibility	Sunlight Readable
Transmissivity	-
Number of Pixel	800×480(RGB), WVGA
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Overall Dim.	163.2(W)×104(H) mm
Bezel Opening	-
Overall Depth	3.4±0.2 mm
Form Shape	Flat Rectangle
Orientation	Landscape type
Aspect Ratio(W:H)	15:9
Shape Style	-
Fixation	Without
Mass	105g (Typ.)
Surface	-
Refresh Rate	60Hz
Reverse Scan	No
Total Consumption	1.9W (Typ.)
Time Controller (T-CON)	Embedded T- CON

LMS700KF06 Signal Interface

OP Temperature	-20 ~ 60 °C
ST Temperature	-40 ~ 85 °C
Vibration Level	-
Features	
Luminance	350 cd/m ² (Typ.)
Contrast Ratio	400:1 (Typ.) (Transmissive)
Good View at	6 o'clock
Response Speed	25 (Typ.)(Tr+Td) ms
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Overall Dim.	163.2(W)×104(H) mm
Bezel Opening	-
Overall Depth	3.4±0.2 mm
Form Shape	Flat Rectangle
Orientation	Landscape type
Aspect Ratio(W:H)	15:9
Shape Style	-
Fixation	Without
Mass	105g (Typ.)
Surface	-
Refresh Rate	60Hz
Reverse Scan	No
Total Consumption	1.9W (Typ.)
Time Controller (T-CON)	Embedded T-CON
Input Current	-
Input Voltage	3.3V (Typ.)(VCC)
Consumption	300/390mW (Typ./Max.)
Signal Interface	Parallel RGB (1 ch, 8-bit)
Position	-
Physical Type	FPC
Pin Pitch	Pins
Amount	Pin Assignment

LMS700KF06 Backlight System

OP Temperature	-20 ~ 60 °C
ST Temperature	-40 ~ 85 °C
Vibration Level	-
Features	
Luminance	350 cd/m ² (Typ.)
Contrast Ratio	400:1 (Typ.) (Transmissive)
Good View at	6 o'clock
Response Speed	25 (Typ.)(Tr+Td) ms
Viewing Angle	65/65/50/60 (Typ.)(CR≥10)
Operating Mode	TN, Normally White, TMR
Chromaticity	Wx:0.316; Wy:0.335
Support Color	16.7M (8-bit)
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Outdoor Visibility	Sunlight Readable
Transmissivity	-
Number of Pixel	800×480(RGB), WVGA
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Active Viewing	152.4(W)×91.44(H) mm
Overall Dim.	163.2(W)×104(H) mm
Bezel Opening	-
Overall Depth	3.4±0.2 mm
Form Shape	Flat Rectangle
Orientation	Landscape type
Aspect Ratio(W:H)	15:9
Shape Style	-
Fixation	Without
Mass	105g (Typ.)
Surface	-
Refresh Rate	60Hz
Reverse Scan	No
Total Consumption	1.9W (Typ.)
Time Controller (T-CON)	Embedded T-CON
Input Current	-
Input Voltage	Input Current
Consumption	1.6±0.4W
Signal Interface	Parallel RGB (1 ch, 8-bit)
Position	-

Physical Type	FPC
Pin Pitch	Pins
Amount	Pin Assignment H:Higt VoltageN:No connectionL:Low VoltageA:AnodeC:Cathode" />
Lamp Type	WLED
Exchange	-
Lamp Shape	3 strings
Lamp Life	-
Backlight Driver	No

LMS700KF06 Packing Form

OP Temperature	-20 ~ 60 °C
ST Temperature	-40 ~ 85 °C
Vibration Level	-
Features	
Luminance	350 cd/m ² (Typ.)
Contrast Ratio	400:1 (Typ.) (Transmissive)
Good View at	6 o'clock
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Overall Dim.	163.2(W)×104(H) mm
Bezel Opening	-
Overall Depth	3.4±0.2 mm
Form Shape	Flat Rectangle
Orientation	Landscape type
Aspect Ratio(W:H)	15:9
Shape Style	-
Fixation	Without
Mass	105g (Typ.)
Surface	-
Refresh Rate	60Hz
Reverse Scan	No
Total Consumption	1.9W (Typ.)
Time Controller (T-CON)	Embedded T- CON
Input Current	-
Input Voltage	Input Current
Consumption	1.6±0.4W
Signal Interface	Parallel RGB (1 ch, 8- bit)
Position	-
Physical Type	FPC
Pin Pitch	Pins
Amount	22 pcs / box
Lamp Type	WLED
Exchange	-
Lamp Shape	3 strings
Lamp Life	-
Backlight Driver	No
Size (L×W×H)	2.84 Kgs
Weight	355×250×156 mm



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