CSOT MG1561B01-1 - Panelook specification summary (not the manufacturer datasheet)

Kaynak: https://www.panelook.com/MG1561B01-1_CSOT_15.6_LCM_parameter_50765.html (2026-10-31)

CSOT MG1561B01-1 Application Details

Basic Information :	Manufacturer	华星光电 CSOT	Model	MG1561B01-1
	Type	a-Si TFT-LCD, LCM	Used For	
	Screen Size	15.6 inch	Another	-
Environment :	Storage	-20 ~ 60 °C	Operating	0 ~ 50 °C
	RoHS	RoHS	Vibration	-
Typical Features :	WLED, LED Driver, Reverse, Matte			

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CSOT MG1561B01-1 Optical Details

Basic Information :	Luminance	250cd/m² (Typ.)	Contrast Ratio	3000:1 (Typ.) (Transmissive)
	Viewing	89/89/89/89 (Typ.)	Display Mode	VA, Normally Black, Transmissive
	View	Symmetry	Response	30 (Typ.)(Tr+Td)
Color Performance :	White	Wx:0.313; Wy:0.329	Display Colors	16.7M (8-bit)
	Color Temp.	6485K	White	1.25/1.60 (Max.)(5/13 points)
Display Gamut :	NTSC Ratio	72% NTSC (CIE 1931)	sRGB	96% coverage (CIE 1931)
	Adobe RGB	74% coverage (CIE	DCI-P3	75% coverage (CIE 1931)
	Rec.2020	54% coverage (CIE	Low Blue	-

Disclaimer : This was entered by panelook engineers based on the datasheet, but we cannot guarantee that the listed specifications are completely accurate.

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CSOT MG1561B01-1 Mechanical Details

Pixel Features :	Resolution	1920(RGB)×1080, FHD	Dot Pitch	0.05975×0.17925 (H×V) mm
	Pixel Format	RGB Vertical Stripe	Pixel Pitch	0.17925×0.17925 (H×V) mm [141PPI]
Mechanical Size :	Active Area	344.16(H)×193.59(V)	Bezel Area	-
	Overall Size	351.86(H)×206.332(V)	Overall Depth	3.2/7.03 (Typ./Max.) mm
Outline Features :	Form Style	Flat Rectangle	Shape Style	Slim (PCBA Bent, T≤3.5mm)
	Aspect Ratio	16:9 (H:V)	Orientation	Landscape type
Mounting :	Without			
Other Spec :	Weight	530g (Typ.)	Surface	Antiglare (Haze 25%), Hard coating (3H)

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CSOT MG1561B01-1 Electronics Details

Frame Rate :	60Hz
Reverse Scan :	No

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CSOT MG1561B01-1 Interface Detail

Signal Electrical :	Voltage	12.0V (Typ.)	Current	0.237/0.3A (Typ./Max.)	
	Consumption	2.844/3.6W (Typ./Max.)			
Signal Type :	LVDS (2 ch, 8-bit)		Logic Voltage	-	
Interface Features :	Position	Rear	Type	Connector	
Interface Detail :	Manufacturer	Part #	Pitch	Pins	Qty	Pin Configuration
	STARCONN	300E40-0010RA-G3-D	0.5 mm	40 pins	1 pcs	-

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CSOT MG1561B01-1 Backlight Details

Backlight Features :	Type	WLED	Qty	9S6P	Position	Edge light type

	Replacement	-	Shape	6 strings	Life Time	15K (Min.) hrs
WLED Electrical :	Voltage	26.6/27.5V (Typ./Max.)		Current	25mA	
	Consumption	3.99/4.13W (Typ./Max.)				
Interface Features :	Position	-		Type	Included in signal interface	
Backlight Driver :	With LED Driver					
Driver Electrical :	Voltage	5.0/12.0/21.0V (Min./Typ./Max.)		Current	0.37/0.40A (Typ./Max.)	
	Consumption	4.44/4.82W (Typ./Max.)				
Brightness Adjustment. :	Duty Ratio	1~100%	PWM	Min. 100Hz ~ Typ. 1KHz ~ Max. 20KHz		

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CSOT MG1561B01-1 Packing Details

Package Type	Panel Qty	Qty of Min. Package	Dimension L×W×H	Weight	Volume	Remarks
Carton	15 pcs	1	470×320×250 mm	10.53 kgs	0.0376 m³	-
Pallet	450 pcs	30	1000×970×1395 mm	330.90 kgs	1.3532 m³	-
40HQ Container	10800 pcs	720	-	-	-	-

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CSOT MG1561B01-1 Specification Source

	File Number	Version	Language	Issue Date
File Referenced :	-	Ver2.1	English	2021 - 11 - 30
Spec Latest Update :	2026-02-10 17:05			

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CSOT MG1561B01-1 Datasheets Download

Datasheet	Version	Language	Issue Date	File Size	Pages	Latest	
MG1561B01-1 Datasheet	Ver0.1	English	2021-5-31	1.4 M	32		Paid Download
MG1561B01-1 Datasheet	Ver2.1	English	2021-11-30	1.4 M	32	Latest	Paid Download

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CSOT MG1561B01-1 Summary

China Star Optoelectronics Technology Co., Ltd (hereafter called CSOT) MG1561B01-1 is a 15.6 inch diagonal a-Si TFT-LCD display screen product, with an incorporated WLED lighting system, With LED Driver, without touch screen. Based on datasheet with version of Ver2.1 which was released out on 11 30 2021, MG1561B01-1 supports display 1920(RGB)×1080 (FHD) with aspect ratio of 16:9 (W:H), whose pixels are arranged in RGB Vertical Stripe. As for mechanical detail, it features active area of 344.16(W)×193.59(H) mm, outline size of 351.86(W)×206.332(H)×7.03(D) mm, with surface treament of Antiglare (Haze 25%), Hard coating (3H), net weight of 530g (Typ.). As a VA, Normally Black, Transmissive LCM product, MG1561B01-1 can provides 250 cd/m² display brightness 3000:1 transimissive contrast ratio, 89/89/89/89 (Typ.) (CR≥10) (L/R/U/D) viewing angle, best view direction on Symmetry , and response time of 30 (Typ.)(Tr+Td) ms. Gray scale or the brightness of the sub-pixel is determined with a 8-bit gray scale signal for each dot, thus presenting a palette of 16.7M colors, also with performance of color gamut 72% (NTSC). This product adopted 9S6P WLED as it's backlight systerm which was placed as Edge light type and have a working life time of 15K hours, With LED Driver. MG1561B01-1 utilizes LVDS (2 ch, 8-bit) as it's signal inputting systerm, which connected by 40 pins Connector with power supply voltage of 12.0V (Typ.). It's typical vertical frame rate (Fv) is 60Hz. For more latest product detail of MG1561B01-1 We strongly recommend that you should refer to datasheet listed on Panelook.com or contact with CSOT or it's distributor.