



AND-TFT-5LP 5" TFT LCD aSi LCD Color Module

The AND-TFT-5LP is a compact full color TFT LCD module, that is suitable for portable products, industrial products, hand-held products, security products, instrument displays and office electronics. *Application Precautions: Do not use the products herein for the following equipment which demands extremely high performance in terms of functionality, reliability or accuracy including: aerospace equipment, communication equipment for trunk lines, control equipment for the nuclear power industry, medical equipment related to life support.*

Features

- Digital TFT LCD
- Ultra Compact
- NTSC/PAL/SECAM Video Auto Switch
- Single Operation Voltage +12V
- CVBS (optional) / Analog RGB (PC Mode) (optional) Single Input
- All functions can be controlled by UART
- RoHS compliant

Mechanical Characteristics

Item	Standard Value	Unit
Screen size	5 inch (diagonal)	inch
Display Format	640 x (R, G, B) x 480	dot
Active Area	101.568 (H) x 76.176 (V)	mm
Pixel Pitch	0.1587 ((H) x 0.1587 (V)	mm
Viewing Angle	-70 ~70 (H); -70 ~50 (V) (Typ.)	degree
Contrast Ratio	500 (Typ.)	—
Brightness	200 (Typ.)	cd/m ²
LED Life Time	20,000 (Min.)	Hours
Operating Temperature	-20 ~ +60	°C
Backlight Type	LED	—

Absolute Maximum Ratings: Driving TFT LCD Panel GND = 0V, Ta = 25°C

Item	Symbol	Absolute Maximum Rating			Unit	Remarks
		Min.	Typ.	Max.		
Input Voltage	V _{in}	+10	+12	+14	V	
Input Current	I _{in}	—	298	—	mA	@ +12v
Output Voltage	VDD	+3.2	+3.3	3.4	V	I = 10mA
Power Consumption		—	3.58	—	W	
Signal Input Voltage	Video in	—	1	—	Vp-p	@ 75Ω
Analog RGB Input Signal	RGB	—	0.7	—	Vp-p	@ 75Ω

Product specifications contained herein may be changed without prior notice.

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Dimensional Outline:

