

ALP215

Low-Temperature Polysilicon 1.8-inch TFT LCD Module

Overview

This 1.8-inch LCD module is a full-color active matrix module that uses low-temperature polysilicon thin-film transistors and includes built-in driver circuits. The RGB delta dot arrangement and the wide viewing angle allow this module to be optimal for use in digital video cameras and degital still cameras.

Features and Functions

- Display size (diagonal): 4.6cm (1.8 inches).
- Number of dots: 113,578 dots (521×218 dots).
- RGB delta arrangement.
- Supports wide viewing angle by introducing SANYO original SURVIVAL technology.
- Operating ambient temperature (Pannel surface temperature): -10 to +60°C.
- Storage ambient temperature: -20 to +70°C
- · Thin and slim.
- Support for scan reversal both horizontally and vertically.
- · Level shifter circuit built in.
- Support for NTSC/PAL format by using the recommended IC (LV4131W).

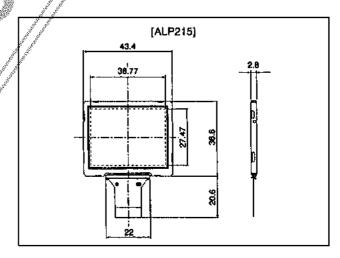
Specifications

Parameter	Specification	Unit	
Effective viewing area diagonal	4.8 (1.8 inches)	/cm	
Ellective viewing area dimensions (horizontabs vertical).	36,77×27,47	mm	
Number of dole (horizontal×vertical)	521×218	dot	
Dot pitch (horizontelx vertical)	0.0705×0.126	mm	
Color arrangement	RG8 della	-	
(horizoniak vertical thickness)	43.4×38.6×2.8 (typical)	mm	Note1
Weight	about 14	9	
FPC length	20.6	mm	

Note 1. Excluding the FPC and mounting sections.

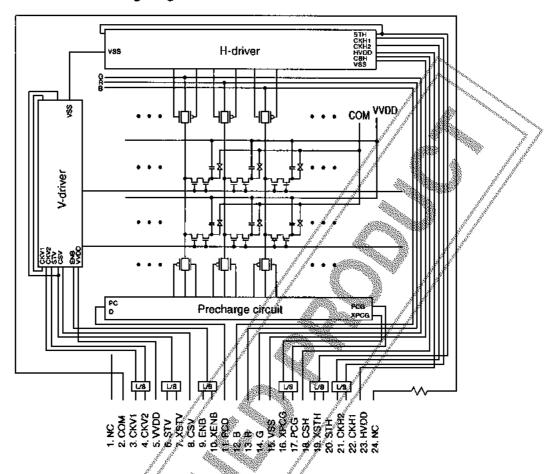
Package Dimensions

unit:mm



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Pin Assignment and Internal Wiring Diagram of the ALP215



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