

P8754

This high-performance QCIF+ TFT display module offers ultra-bright, rich colors in an attractive, compact format. The display uses an advanced transmissive technology that can be converted to a slightly reflective format for enhanced outdoor usage. The module includes an LCD panel, driver ICs, a peripheral circuit, and a backlight unit. It is COG-mounted and driven by a single driver IC (via on-board RAM).



APPLICATION INFORMATION

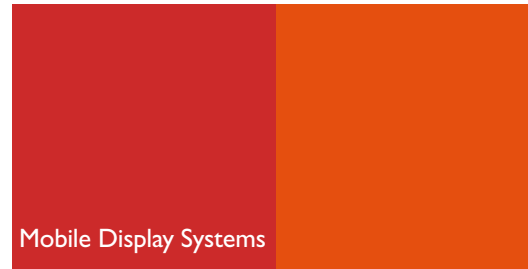
- Mobile/Audio-Video players

PRODUCT ADVANTAGES

- High brightness and contrast
- Superior color reproduction with 262k colors
- Low power consumption
- LTPS technology
- Mass production now

2.0" QCIF+, 176 x RGB x 220

TFT LTPS Transmissive Display Module



SPECIFICATIONS

Mechanical

Panel Width	35.68 mm
Panel Height	48.6 mm
Module Thickness	< 3.4 mm
Active Area	31.68 x 39.6 mm
Dot Pitch	0.180
Resolution	176 x RGB x 220
Pixel Configuration	RGB Stripe
Diagonal	2.0"

Electrical

Technology	LTPS Active Matrix LCD
Supply Voltage	Logic 1.8 & 4.4 V Analog 2.7 - 3.0 V
Power Supply / Consumption LED Gate IC / Source IC	220 mW (serial), typ. 14.4V Asic SOP

Temperature Conditions

Operating	-20°C to +70°C
Storage	-30°C to +80°C

Interface

8/16/18 parallel, serial, 18bit RGB

Optical

Image Mode	Normally White
Illumination Mode	Transmissive
Backlight	3 LEDs (white)
Viewing Direction	6 o'clock
Color	262k
Response Time	25ms (Ton + Toff)

Backlight ON

Contrast Ratio	400:1
NTSC (u', v')	60
Viewing Direction 12 o'clock, CR >= 2	65°
Viewing Direction 6 o'clock, CR >= 2	65°
Viewing Angle V, CR >=10	130°
Luminance (module)	200 Cd/m2
Uniformity	1.3
BL Power Consumption	15mA @ 10.5V (typ)

PHILIPS



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