



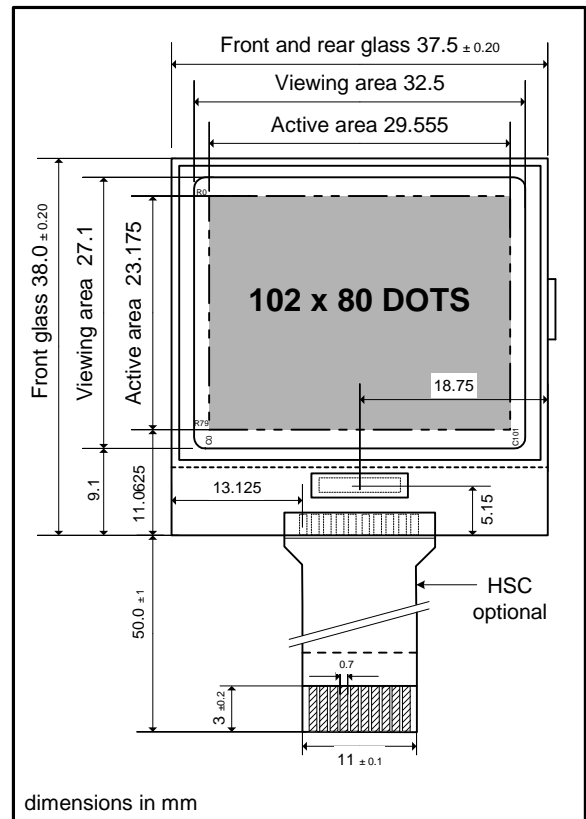
102 x 80 Full Graphic FSTN LCD Module

Description

This COG LCD module uses the ultra-low power EM6126 LCD driver from EM Microelectronic featuring 102x80 full dot matrix configuration. The standard FSTN display is transfective with positive contrast. It is available in four versions, namely two different glass thicknesses of 0.7mm or 0.55mm and with or without heat seal connector (HSC) with stiffener. No tooling is required. It is ideal for battery-operated applications requiring low power consumption such as mobile and DECT phones or portable audio players.

Key Specifications

Parameter	Characteristics
Display mode	FSTN (black and white)
Display type	Standard: transfective, positive Custom: reflective
Driving	1/81 duty , 1/10 bias
Viewing angle	6 o'clock
LCD driver	EM6126 / EM6126
LCD module structure	Standard: LCD + COG + HSC Custom: backlight.
Dots configuration	102x80 full dot matrix
Module size (L x W)	37.5 mm x 38 mm
Glass thickness	0.7 mm
Viewing area (L x W)	32.5 mm x 27.1 mm
Weight	4.5 g
Power supply voltage V_{DD}	2.4 V to 3.3 V
Operating voltage V_{LCD}	9.0 V
Current consumption at 25°C	Typical: 330 μ A Partial mode: 80 μ A
Operating temperature range	-20°C to +70°C
Storage temperature range	-30°C to +80°C



Typical Applications

- Mobile and DECT phones
- MP3 and DVD players
- Automotive displays & car audio
- Graphic calculators
- GPS, credit card readers
- Scales and utility meters

Ordering Information

Products below are standard, meaning transfective display type and LCD + COG module structure.

Part Number	Description
903.02291	0.7 mm glass; heat seal connector (HSC) + stiffener, length 50mm

Please contact EM for detailed schematics and specification.

