



102 x 80 Full Graphic FSTN LCD Module

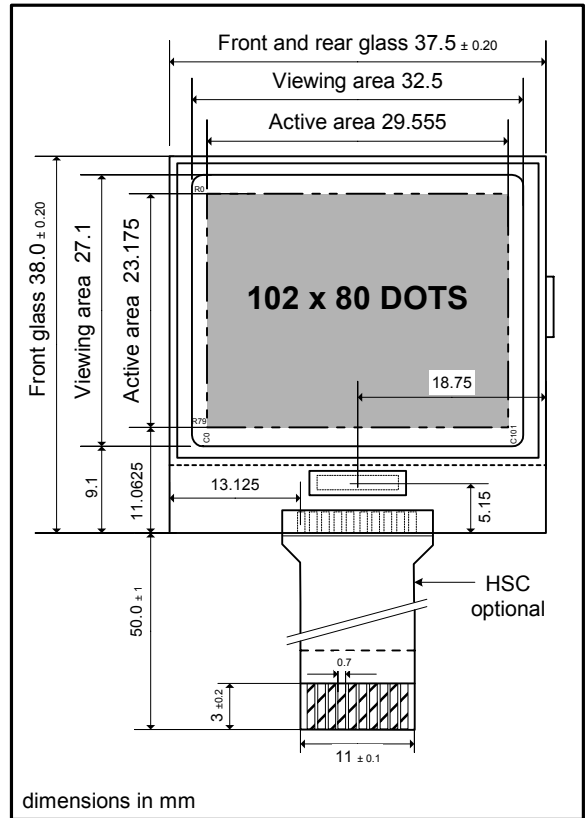
Description

This COG LCD module uses the ultra-low power EM6125 LCD driver from EM Microelectronic featuring 102x80 full dot matrix configuration. The FSTN display can be reflective or transfective. 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	Positive, reflective or transfective
Driving	1/81 duty , 1/10 bias
Viewing angle	6 o'clock
LCD driver	EM6125
LCD module structure	Standard: LCD + COG Options: zebra, backlight, plastic or metal frame, cable, etc.
Dots configuration	102x80 full dot matrix
Module size (L x W)	37.5 mm x 38 mm
Glass thickness	0.7 mm or 0.55 mm (note 1)
Viewing area (L x W)	32.5 mm x 27.1 mm
Weight	4.5 g
Power supply voltage V _{DD}	1.8 V to 5.5 V
Operating voltage V _{LCD}	9.0 V
Current consumption at 25°C	Typical: 330 µA Partial mode: 80 µA
Operating temperature range	-20°C to +70°C
Storage temperature range	-30°C to +80°C

Note 1: see Ordering Information below



Typical Applications

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

Ordering Information

Part Number	Description
903.02280	0.7 mm glass; no output cable
903.02281	0.7 mm glass; heat seal connector (HSC) + stiffener, length 50mm
903.02285	0.55 mm glass; no output cable
903.02286	0.55 mm glass; heat seal connector (HSC) + stiffener, length 50mm

