

## LQ049B5DG01

**Color TFT-LCD Module**  
(Car Navigation)

### Features

- 12.5 cm [4.9"] display size
- Wide temperature range  
(Topr: -30°C to + 85°C Tstg: -30°C to +85°C )
- Built-in CCFT B/L
- Compact structure thanks to ACF-COG technology

### Specifications

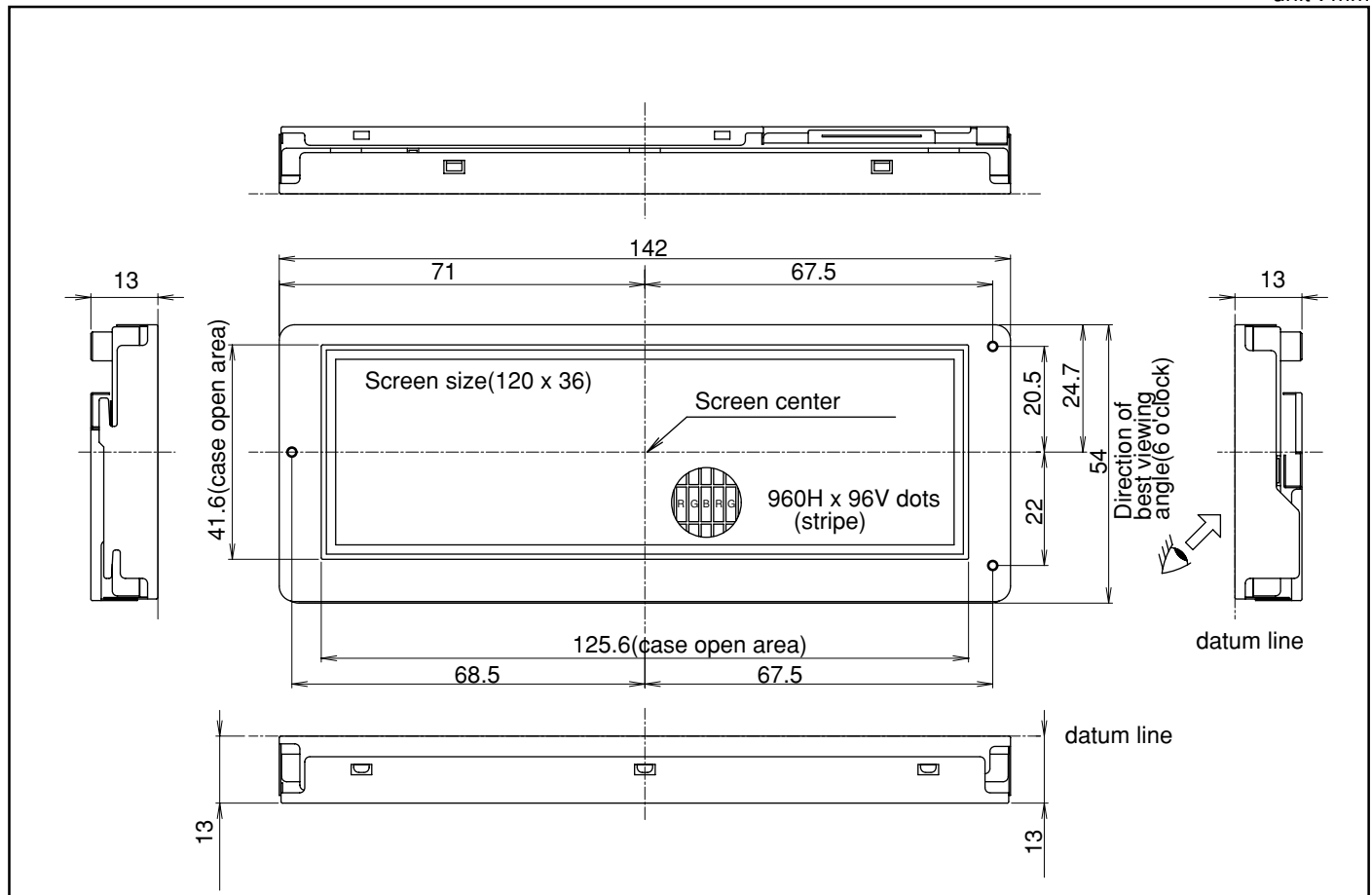
Parameter		Unit
Display size	12.5 [4.9]	cm ["]
No. of pixels <sup>*1</sup>	30 720	pixel
Dot format (H x V)	320 x RGB x 96	dot
Dot pitch (H x V)	0.125 x 0.375	mm
Active area (H x V)	120.0 x 36.0	mm
Input signal system	6-bit digital RGB	-
Input video signal	6-bit digital	-
Viewing direction	6:00	-

\*1...Pixel configuration : RGB Delta

Parameter		Unit
Backlight type	1CCFT(E)	-
Brightness	350	cd/m <sup>2</sup>
Power Consumption	2.77	W
Outline dimensions (W x H x D)	142.0 x 54.0 x 13.0	mm
Weight	110	g
Operating temperature	-30 to +85	°C
Storage temperature	-30 to +85	°C

### Outline Dimensions

unit : mm



**SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE.**

Suggested applications (if any) are for standard use; See Important Restrictions for limitations on special applications. See Limited Warranty for SHARP's product warranty. The Limited Warranty is in lieu, and exclusive of, all other warranties, express or implied. ALL EXPRESS AND IMPLIED WARRANTIES, INCLUDING THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR USE AND FITNESS FOR A PARTICULAR PURPOSE, ARE SPECIFICALLY EXCLUDED. In no event will SHARP be liable, or in any way responsible, for any incidental or consequential economic or property damage.

---

**SHARP®**

**NORTH AMERICA**

---

SHARP Microelectronics  
of the Americas  
5700 NW Pacific Rim Blvd.  
Camas, WA 98607, U.S.A.  
Phone: (360) 834-2500  
Fax: (360) 834-8903  
<http://www.sharpsma.com>

**EUROPE**

---

SHARP Microelectronics Europe  
Sonninstraße 3  
20097 Hamburg, Germany  
Phone: (49) 40 2376-2286  
Fax: (49) 40 2376-2232  
<http://www.sharpsme.com>

**ASIA**

---

SHARP Corporation  
Integrated Circuits Group  
2613-1 Ichinomoto-Cho  
Tenri-City, Nara, 632, Japan  
Phone: +81-743-65-1321  
Fax: +81-743-65-1532  
<http://www.sharp.co.jp>