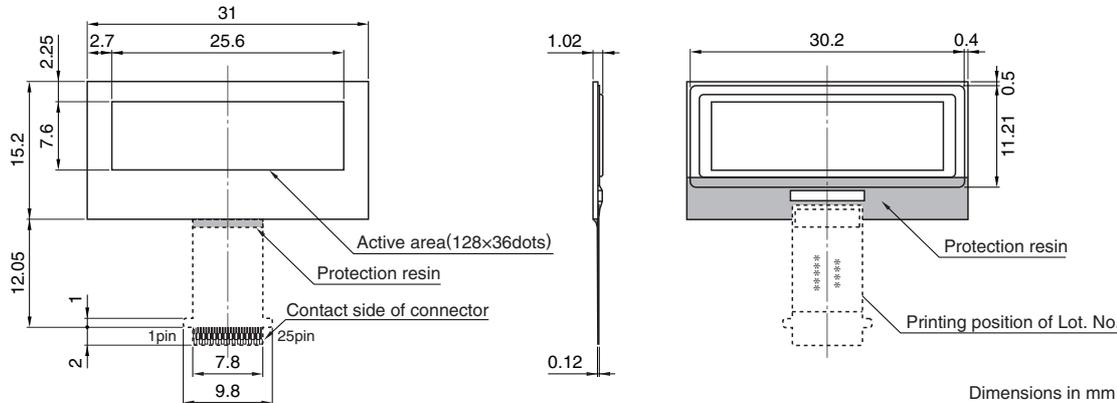


# Organic Light Emitting Display Mono-color Type/Passive Matrix Method

Conformity to RoHS Directive

UEL Series UEL239

## SHAPES AND DIMENSIONS



## SPECIFICATIONS

Model	UEL239
Resolution(W×H)	128×36
Active area(mm)	25.6×7.6
Pixel pitch(mm) (Dot pitch)	0.20×0.21
Thickness(mm)	1.0typ.
Weight(g)	1.2
Luminance(cd/m <sup>2</sup> )	500
Circular polarizer(CPL)	Without CPL
Contrast	500:1
Color/Gray scale	1(white)/2
Half lifetime of luminance(Reference value) [Hours, 25°C, lighting rate50%]	≥ 30,000
Operating temperature range(°C)	-20 to +75
Storage temperature range(°C)	-40 to +85
Connection	COG
Interface	Serial/Parallel
Panel drive voltage(V)	13.5typ.
Logic power voltage(V)	VDD: 2.9typ. VDDIO: 1.8typ.
Power current(mA)	10
Power consumption(mW)	140max.

## PACKAGING STYLE AND QUANTITIES

- To be separately arranged.

## PRECAUTIONS

- The performance of this product is defined under particular conditions, and cannot be guaranteed under conditions of actual use.
- This product is not to be applied for uses in which the absolute highest reliability is required due to the possibility of serious human injury or physical damage. For those cases, please contact us in advance.
- If Foreign Exchange and Foreign Trade Law are applicable to this product (including service) requiring it to be regulated, export admission is needed under law.
- The information in this document is provided as an example only, and cannot be guaranteed as the final design for mass production.
- Please contact us for detailed information on the shape of the FPC part.
- Under license of KODAK OLED patents.
- Conformity to RoHS Directive: This means that, in conformity with EU Directive 2002/95/EC, lead, cadmium, mercury, hexavalent chromium, and specific bromine-based flame retardants, PBB and PBDE, have not been used, except for exempted applications.

- All specifications are subject to change without notice.

## PIN ASSIGNMENT

Pin No.	Pin name	Function description	I/O
1	VCC	OLED drive power supply	P
2	VCOMH	COMH voltage	P
3	VLSS	Ground	P
4	GND	Ground	P
5	VDD	Logic power supply	P
6	VDDIO	Interface power supply	P
7	N.C.	No connection	—
8	BS1/BS2	Bus interface select	I
9	CSB	Chip select	I
10	RSTB	Reset	I
11	D/C	Data/command select	I
12	WRB	Write	I
13	RDB	Read	I
14	D0	Data signal	I/O
15	D1	Data signal	I/O
16	D2	Data signal	I/O
17	D3	Data signal	I/O
18	D4	Data signal	I/O
19	D5	Data signal	I/O
20	D6	Data signal	I/O
21	D7	Data signal	I/O
22	IREF	Segment current reference pin	—
23	VCOMH	COMH voltage	P
24	VCC	OLED drive power supply	P
25	VLSS	Ground	P