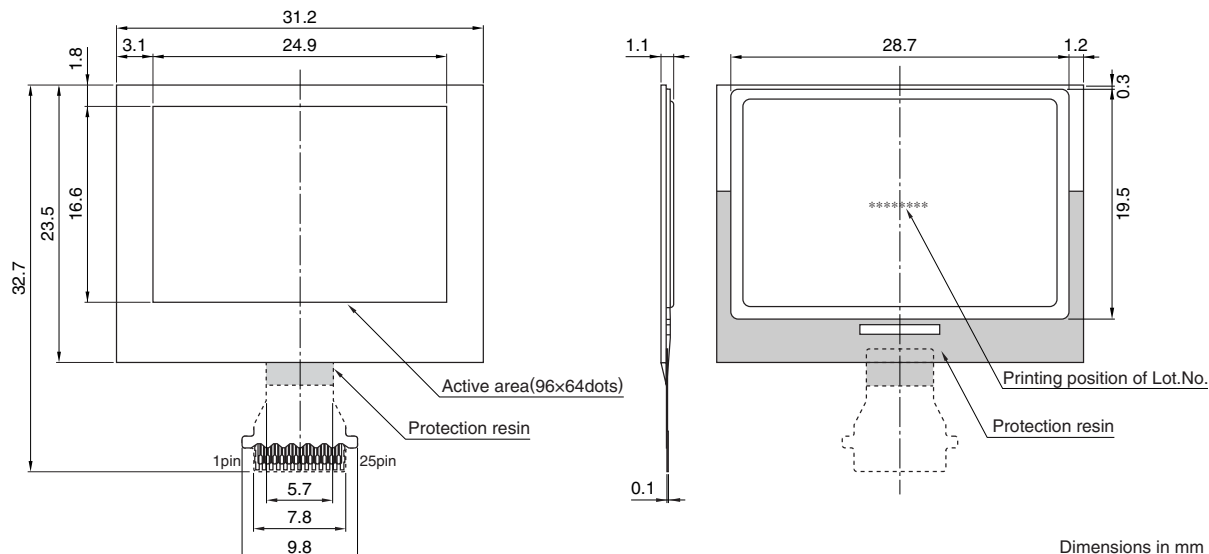


# Organic Light Emitting Display Mono-color Type/Passive Matrix Method

Conformity to RoHS Directive

UEL Series UEL331

## SHAPES AND DIMENSIONS



## SPECIFICATIONS

Model	UEL331
Resolution(W×H)	96×64
Active area(mm)	24.9×16.6
Pixel pitch(mm) (Dot pitch)	0.26×0.26
Thickness(mm)	1.1typ.
Weight(g)	2.3
Luminance(cd/m <sup>2</sup> )/Lighting rate	350/70%
Circular polarizer(CPL)	Without CPL
Contrast	10000:1
Color/Gray scale	1(white)/2
Half lifetime of luminance [Hours, 25°C, lighting rate: 30%]	≥ 15,000
Operating temperature range(°C)	-20 to +75
Storage temperature range(°C)	-40 to +85
Connection	COG
Interface	Parallel/SPI/I <sup>2</sup> C
Panel drive voltage(V)	14.0typ.
Logic power voltage(V)	1.8typ.
Power current(mA)	11
Power consumption(mW)	170max.

## PIN ASSIGNMENT

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

• I=Input, O=Output, IO=(Input/Output), P=Power pin

- 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.