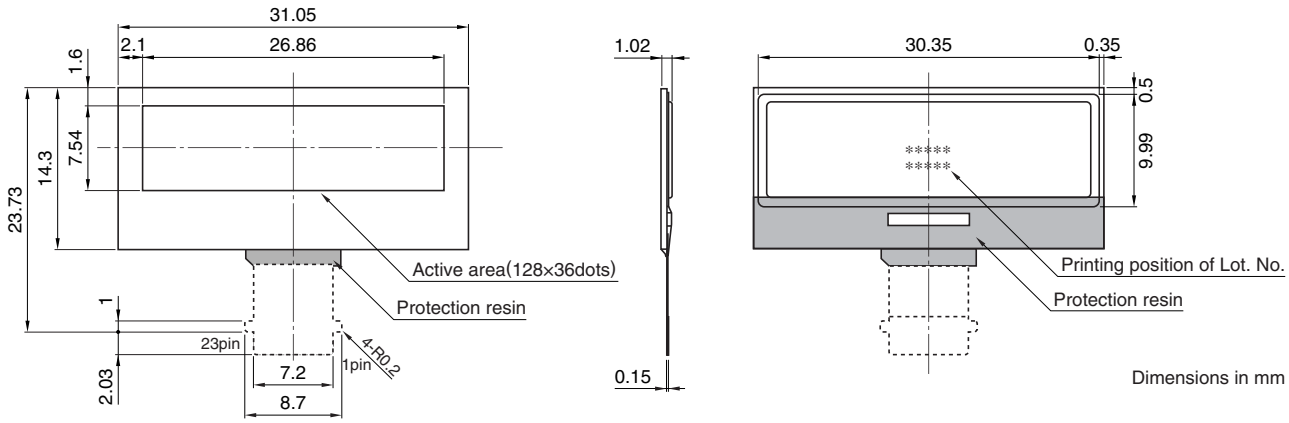
TDK

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

Conformity to RoHS Directive

UEL Series UEL270

SHAPES AND DIMENSIONS



SPECIFCATIONS

Model	UEL270
Resolution(W×H)	128×36
Active area(mm)	26.9×7.5
Pixel pitch(mm) (Dot pitch)	0.21×0.21
Thickness(mm)	1.0typ.
Weight(g)	1.1
Luminance(cd/m^2)	600
Circular polarizer(CPL)	Without CPL
Contrast	600:1
Color/Gray scale	1(white)/4
Half lifetime of luminance(Reference value) [Hours, 25°C, lighting rate50%]	≧ 30,000
Operating temperature range(°C)	–20 to +75
Storage temperature range(°C)	–20 to +85
Connection	COG
Interface	Parallel
Panel drive voltage(V)	14.5typ.
Logic power voltage(V)	VDD: 1.8typ.
Power current(mA)	15
Power consumption(mW)	220max.

PIN ASSIGNMENT

Pin No.	Pin name	Function description	I/O
1	GND	Ground	P
2	VCC	OLED drive power supply	P
3	VDIS	Discharge voltage level	P
4	OSC2	Oscillator for dot matrix 2	O
5	OSC1	Oscillator for dot matrix 1	I
6	GND	Ground	P
7	D7	Data signal	I
8	D6	Data signal	I
9	D5	Data signal	I
10	D4	Data signal	I
11	D3	Data signal	I
12	D2	Data signal	I
13	D1	Data signal	I
14	D0	Data signal	I
15	A0	Data/command select	I
16	CSB	Chip select	I
17	N.C.	No connection	—
18	WRB	Write	I
19	RSTB	Reset	I
20	GND	Ground	P
21	VDDIO	Logic power supply	P
22	VCC	OLED drive power supply	P
23	GND	Ground	P

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.