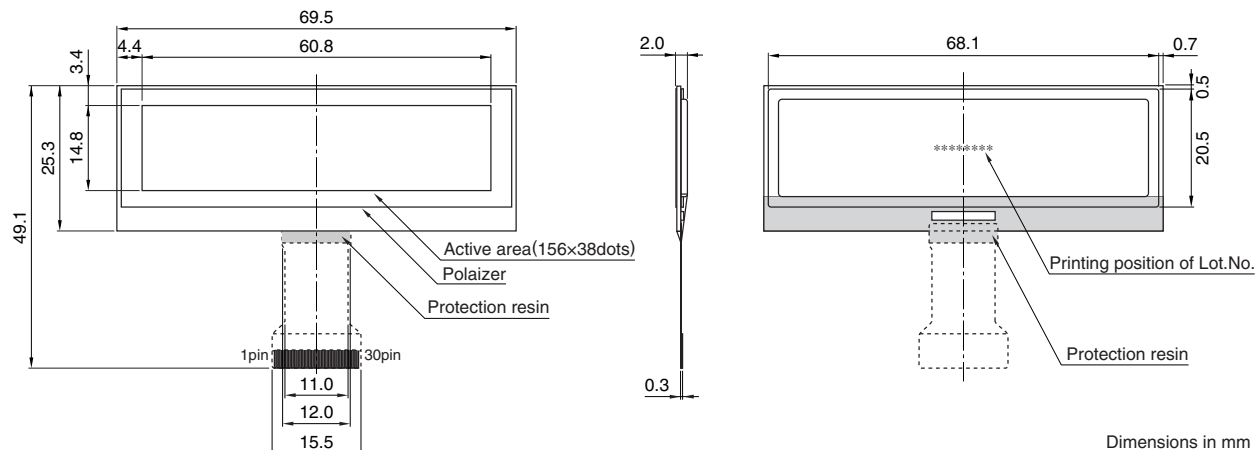


# Organic Light Emitting Display Mono-color Type/Passive Matrix Method

Conformity to RoHS Directive

UEL Series UEL378

## SHAPES AND DIMENSIONS



## SPECIFICATIONS

Model	UEL378
Resolution(W×H)	156×38
Active area(mm)	60.8×14.8
Pixel pitch(mm) (Dot pitch)	0.39×0.39
Thickness(mm)	2.0typ.
Weight(g)	8
Luminance(cd/m <sup>2</sup> )	120
Circular polarizer(CPL)	With CPL
Contrast	10000:1
Color/Gray scale	1(white)/16
Half lifetime of luminance [Hours, 25°C, lighting rate: 30%]	≥ 40,000
Operating temperature range(°C)	-20 to +75
Storage temperature range(°C)	-40 to +85
Connection	COG
Interface	Parallel/SPI
Panel drive voltage(V)	15.0typ.
Logic power voltage(V)	3.3typ.
Power current(mA)	35
Power consumption(mW)	650max.

## PIN ASSIGNMENT

Pin No.	Pin name	Function description	I/O
1	AGND	GND for OLED drive power supply	P
2	AGND	GND for OLED drive power supply	P
3	VCC	OLED drive power supply	P
4	GND	GND for logic	P
5	VDD	Logic power supply	P
6	VDDIO	Interface power supply	P
7	PS	Interface select	I
8	GND	GND for logic	P
9	VCC	OLED drive power supply	P
10	AGND	GND for OLED drive power supply	P
11	AGND	GND for OLED drive power supply	P
12	CSB	Chip select	I
13	RSTB	Reset	I
14	DC	Data/Command select	I
15	WRB	Write	I
16	RDB	Read	I
17	D0	Data bus	I/O
18	D1	Data bus	I/O
19	D2	Data bus	I/O
20	D3	Data bus	I/O
21	D4	Data bus	I/O
22	D5	Data bus	I/O
23	SCLK	Serial clock	I
24	SID	Serial data	I
25	VDDIO	Interface power supply	P
26	VDD	Logic power supply	P
27	GND	GND for logic	P
28	VCC	OLED drive power supply	P
29	AGND	GND for OLED drive power supply	P
30	AGND	GND for OLED drive power supply	P

- 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.