



New Product Instruction – Character Type OLED

Diagonal Size	Format Char. x line	Part No.	Color	Active Area (WxH) mm	Character Size (WxH) mm	Pixel Size (WxH) mm	Package
2.26"	16x2	UC-1602ASYCG01	Yellow	56.22x11.52	2.97x5.57	0.57x0.67	COG
		UC-1602ASWCG01	White	56.22x11.52	2.97x5.57	0.57x0.67	
		UC-1602ASRCG01	Red	56.22x11.52	2.97x5.57	0.57x0.67	
		UC-1602ASGCG01	Green	56.22x11.52	2.97x5.57	0.57x0.67	
		UC-1602ALBCG01	Blue	56.22x11.52	2.97x5.57	0.57x0.67	
2.93"	20x2	UC-2002ASYAG01	Yellow	73.52x11.52	3.22x5.57	0.62x0.67	COG
		UC-2002ASWAG01	White	73.52x11.52	3.22x5.57	0.62x0.67	
		UC-2002ASRAG01	Red	73.52x11.52	3.22x5.57	0.62x0.67	
		UC-2002ASGAG01	Green	73.52x11.52	3.22x5.57	0.62x0.67	
		UC-2002ALBAG01	Blue	73.52x11.52	3.22x5.57	0.62x0.67	
2.89"	20x4	UC-2004ASYAG01	Yellow	70.42x20.82	2.97x4.77	0.57x0.57	COG
		UC-2004ASWAG01	White	70.42x20.82	2.97x4.77	0.57x0.57	

Font - English, Numerals, Japan, Europe, Russian, Turkey, Vietnam.





16 x 2 Character Type OLED Feature	Unit	Yellow	White	Red	Green	Blue
Power Consumption @100% Turn-on	(mA)	30	33	15	13	14
Power Consumption @50% Turn-on	(mA)	16	18	8.8	7.8	8.2
Power Consumption @30% Turn-on	(mA)	10	11	5	4.5	5
Supply Voltage for Logic (V _{DDIO})	(V)	5	5	5	5	5
Supply Voltage for Display (V _{CC})	(V)	12	12	9	9	9
Operating Temperature Range	(°C)	-40 ~ 85°C				
Luminance	(nits)	150	120	50	150	80
View Angle	(°)	Free				
Dark Room Contrast Ratio		10,000 : 1				
Module Weight	(g)	4.98				
Same mounting hole as LCD		Yes				
Built-in Fonts ROM		Yes				
Life Time to half brightness	(hrs)	50,000	30,000	30,000	50,000	40,000

Note 1 : Brightness (Lbr) and Supply Voltage for Display (VCC) are subject to the change of the panel characteristic and the customer's request.

Note 2 : The samples used for the above tests include polarizer. If the samples don't attach the polarizer, the brightness will increase by 2.4 times.





20 x 2 Character Type OLED Feature	Unit	Yellow	White	Red	Green	Blue
Power Consumption @100% Turn-on	(mA)	40	45.5	20.5	17.6	19.9
Power Consumption @50% Turn-on	(mA)	21.1	23.7	10.7	9.2	10.5
Power Consumption @30% Turn-on	(mA)	13.5	15	7.3	6.7	7.1
Supply Voltage for Logic (V _{DDIO})	(V)	5	5	5	5	5
Supply Voltage for Display (V _{CC})	(V)	12	12	9	9	9
Operating Temperature Range	(°C)	-40 ~ 85°C				
Luminance	(nits)	150	120	50	150	80
View Angle	(°)	Free				
Dark Room Contrast Ratio		10,000 : 1				
Module Weight	(g)	7.01				
Same mounting hole as LCD		Yes				
Built-in Fonts ROM		Yes				
Life Time to half brightness	(hrs)	50,000	30,000	30,000	50,000	40,000

Note 1 : Brightness (Lbr) and Supply Voltage for Display (VCC) are subject to the change of the panel characteristic and the customer's request.

Note 2 : The samples used for the above tests include polarizer. If the samples don't attach the polarizer, the brightness will increase by 2.4 times.





20 x 4 Character Type OLED Feature	Unit	Yellow	White
Power Consumption @100% Turn-on	(mA)	43.3	43.3
Power Consumption @50% Turn-on	(mA)	22.3	22.3
Power Consumption @30% Turn-on	(mA)	14.1	14.1
Supply Voltage for Logic (V_{DDIO})	(V)	5	5
Supply Voltage for Display (V_{CC})	(V)	12	12
Operating Temperature Range	($^{\circ}$ C)	-40 ~ 85 $^{\circ}$ C	
Luminance	(nits)	150	120
View Angle	($^{\circ}$)	Free	
Dark Room Contrast Ratio		10,000 : 1	
Module Weight	(g)	9.61	
Same mounting hole as LCD		Yes	
Built-in Fonts ROM		Yes	
Life Time to half brightness	(hrs)	50,000	30,000

Note 1 : Brightness (Lbr) and Supply Voltage for Display (V_{CC}) are subject to the change of the panel characteristic and the customer's request.

Note 2 : The samples used for the above tests include polarizer. If the samples don't attach the polarizer, the brightness will increase by 2.4 times.

