

Standard Products List

Mono-Color Glass Type I



Part number		ELW0501AB	ELW0703BA	ELW0801AC	ELW0804AA	ELW0901AA	ELW1004AA	ELW1101AA
Image								
Diagonal	Inch	0,5	0,7	0,8	0,8	0,9	1.0	1,1
Color-type	-	Mono White	Mono White	Mono White	Mono White	Mono White	Mono White	Mono White
Resolution (WxH)	-	60 x 32	96 x 24	96 x 39	128 x 64	128 x 36	128 x 64	128 x 128
Glass Size	mm	15.3 x 10.2	22.30 x 9.00	22.00 x 11.83	25.45 x 18.30	25.28 x 9.9	15 x 28	25.64 x 27.85
Active Area	mm	11.25 x 5.99	18.024 x 4.56	18.02 x 7.30	18.53 x 9.26	21.73 x 6.10	10.856 x 21.736	20.20 x 20.20
Pixel Pitch	mm	0.19 x 0.19	0.19 x 0.19	0.19 x 0.19	0.145 x 0.145	0.17 x 0.17	0.17 x 0.17	0.16 x 0.16
Thickness (typical)	mm	1,09	0,98	0,94	2,40	0,94	1,19	1,53
Weight	g	0,6	0,46	0,7	1,6	0,64	1,05	2,4
Luminance	cd/m ²	250	450	300	350	500	150	100
Circular Polarizer	-	yes	yes	yes	yes	no	yes	yes
I/F	-	SPI / I ² C	SPI	SPI	SPI	SPI	SPI / I ² C / Parallel	SPI / I ² C / Parallel
Panel Drive Voltage	V	13,0	15,0	15,5	VHA17.0/VHC12.5	13,0	13,0	16,5
Logic Power Voltage	V	2,8	1,8	1,8	5	1,8	3	2,0
Power Consumption @Lighting Rate 30%	mW	18,7	40,5	24,6	81,6	28,5	39,8	89,1
FPC (pin No)	-	11	11	11	22	11	22	35
Accommodated connector	-	KYOCERA 04 6296 011 93X 846+	Panasonic Electric Works AYF331165	Panasonic Electric Works AYF331135	Iriso Electronics Series 9692 20 pins	KYOCERA 04 6296 011 93X 846+	None Solder	KYOCERA 04 6293 635 005 829+
Operating Temperature	°C	-20~+75	-20~+75	-20~+70	-40~+85	-20~+75	-20~+75	-20~+75
Storage Temperature	°C	-40~+85	-30 ~+80	-30~+80	-40~+105	-40~+85	-40~+85	-40~+85
Gray Scale	-	2	2	2	16	2	2	16
Storage Life Time (Lighting area of pixel 50%)	years	5,5	4,2	6,0	12,5	4,1	3,0	7,3
Purposes		Consumer	Consumer	Consumer	Automotive	Consumer	Consumer	Consumer

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VDD : Logic power supply voltage、VDDIO : Interface power supply voltage

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Standard Products List

Mono-Color Glass Type II



Part number		ELW1301AA1	ELW1501AA	ELW1502AAG	ELW2101AC	ELW2106AA	ELW2701AA	ELW3501AA
Image								
Diagonal	Inch	1,3	1,5	1,5	2,1	2,1	2,7	3,5
Color-type	-	Mono White	Mono White	Mono White	Mono White	Mono White	Mono White	Mono White
Resolution (WxH)	-	128 x 40	128 x 128	120 Segment	256 x 64	256 x 64	176 x 52	228 x 168
Glass Size	mm	36.74 x 14.00	31.55 x 33.77	35,0 x 39,8	62.5 x 20.6	60.60 x 17.50	75.80 x 31.44	89.82 x 68.22
Active Area	mm	31.84 x 8.65	26.09 x 26.09	26,2 x 26,63	51.18 x 12.78	50.66 x 12.39	65.79 x 19.68	70.65 x 52.06
Pixel Pitch	mm	0.25 x 0.22	0.20 x 0.20	-	0.20 x 0.20	0.20 x 0.20	0.38 x 0.38	0.31 x 0.31
Thickness (typical)	mm	1,03	1,3	2,4	1,62	1,34	2,01	2,4
Weight	g	1,43	3,5	6,0	5,6	2,7	10,3	23,6
Luminance	cd/m ²	350	200	500	180	250	120	250
Circular Polarizer	-	no	no	yes	yes	yes	yes	yes
I/F	-	SPI / I ² C	SPI	SPI	SPI	SPI	SPI	Paralel
Panel Drive Voltage	V	12,0	17,0	VHA12.0/VHC12.0	12,0	16,5	16,0	VHA16.5/VHC12.9
Logic Power Voltage	V	3,3	2,8	5	3,0	3	3,3	5,0
Power Consumption @Lighting Rate 30%	mW	33,5	153,0	180,0	104,4	188,1	240,0	990,0
FPC (pin No)	-	11	19	24	14	14	18	80 (40x2)
Accommodated connector	-	KYOCERA 04 6296 011 93X 846+	HIROSE ELECTRIC FH35C-19S- 0.3SHW	IRISO ELECTRONICS Series 9692 24 pins	OMRON XF3M-1415-1B	Molex 503480	IRISO ELECTRONICS 9637 Series 18pin	IRISO ELECTRONICS SERIES 12001 40 pins
Operating Temperature	°C	-20~+75	-20~+75	-40~+85	-20~+75	-20~+75	-20~+75	-40~+85
Storage Temperature	°C	-40~+85	-40~+85	-40~+105	-40~+85	-40~+85	-40~+85	-40~+105
Gray Scale	-	2	16	-	16	16	16	16
Storage Life Time (Lighting area of pixel 50%)	years	9,5	6,6	12,5	7,7	10,0	7,3	12,5
Purposes		Consumer	Consumer	Automotive	Consumer	Consumer	Consumer	Industrial

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Color Glass Type



Part number		ELB1001AA	ELF0701AA	ELF1001AC	ELF1101AA	ELF1301AA	ELF1308BA	ELF1308BAT
Image								
Diagonal	Inch	1,0	0,7	1,0	1,1	1,3	1,3	← incl. capcitive touch panel (3x3
Color-type	-	Mono Blue	Full color	Full color	Full color	Full color	Full color	←
Resolution (WxH)	-	128 x 64	84 x RGB x 84	96 x RGB x 39	96 x RGB x 96	128 x RGB x 96	128 x RGB x 128	←
Glass Size	mm	24,7 x 16,6	18.4 x 18.1	27.07 x 16.0	25.8 x 27.1	33.0 x 28.4	28.4 x 29.6	←
Active Area	mm	21,74 x 11,175	11.4 x 12.8	22.4 x 9.1	20.1 x 20.1	26.3 x 19.7	23.4 x 23.4	←
Pixel Pitch	mm	0,17 x 0,17	0.14 x 0.15	0.23 x 0.23	0.21 x 0.21	0.21 x 0.21	0.18 x 0.18	←
Thickness (typical)	mm	1,14	1,12	1,02	1,2	1,19	1,19	←
Weight	g	TBD	t.b.a.	1,14	2,3	2,8	2,9	←
Luminance	cd/m ²	100	120	220	120	100	120	←
Circular Polarizer	-	yes	no	no	no	no	no	←
I/F	-	SPI	SPI	SPI	Parallel	Parallel	SPI	←
Panel Drive Voltage	V	12,5	15,0	16,5	17,0	17,0	15,0	←
Logic Power Voltage	V	-	3,0	2,7	2,7	2,7	1,8	←
Power Consumption @Lighting Rate 30%	mW	22,5	56,7	81,7	122,4	137,7	132,2	←
FPC (pin No)	-	15	15	17	33	33	18	←
Accommodated connector	-	None Solder	Taiwan Suncagey Industrial BL310-15G31-TAHO	DDK Ltd. FF12-17A-R11B-C1	HIROSE ELECTRIC FH35-33S-0.3SHW	HIROSE ELECTRIC FH35-33S-0.3SHW	OMRON XF2U-1815-3A	←
Operating Temperature	°C	-40~+70	-30~+70	-20~+75	-20~+75	-20~+75	-20~+75	←
Storage Temperature	°C	-40~+85	-40~+85	-40~+85	-40~+85	-40~+85	-40~+85	←
Gray Scale	-	2	65k color	65k color	65k color	65k color	65k color	←
Storage Life Time (Lighting area of pixel 50%)	years	3,0	5,8	2,9	5,4	4,0	3,6	←
Purposes		Consumer	Consumer	Consumer	Consumer	Consumer	Consumer	Consumer

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Flex OLED

Part number		EPW0702AB	EPW1002AB	EPW1405BB	EPW1802BA	EPF1402BA
Image						
Diagonal	Inch	0,7	1,0	1,4	1,8	1,4
Color-type	-	Mono White	Mono White	Mono White	Mono White	262k color
Resolution (W×H)	-	128 x 80	128 x 36	128 x 16	160 x 32	128 x 16 (RGB)
Film Size	mm	25.80 x 15.00	34.02 x 11.00	45.60 x 9.03	55.30 x 14.94	45.60 x 9.03
Active Area	mm	15.074 x 9.41	23.528 x 5.298	34.408 x 3.448	45.096 x 9.000	34.408 x 3.432
Pixel Pitch	mm	0.118 x 0.118	0.184 x 0.148	0.269 x 0.217	0.282 x 0.282	0.269 x (0.072 x 3)
Thickness (typical)	mm	0.3mm (except driver IC)				
Weight	g	0,2	0,1	0,1	0,5	0,1
Luminance	cd/m ²	700	600	800	600	420
Circular Polarizer	-	No	No	No	No	No
I/F	-	SPI, I2C	SPI, I2C	SPI, I2C	SPI, I2C	SPI, I2C
Panel Drive Voltage	V	14,0	13,0	12,5	12,0	T.B.D
Logic Power Voltage	V	1,8	2,8	1,8	1,8	1,8
Power Consumption @Lighting Rate 30%	mW	47,5	23,8	26,3	82,8	31,2
FPC (pin No)	-	15	13	11	13	17
Accommodated connector	-	HIROSE ELECTRIC FH26-15S-0.3SHW	HIROSE ELECTRIC FH35C-13S-0.3SHW	KYOCERA 04 6296 611 231 846+	HIROSE ELECTRIC FH26-13S-0.3SHW	KYOCERA 04 6293 617 005 829+
Operating Temperature	°C	-20 ~ +60°C				
Storage Temperature	°C	-30 ~ +60°C				
Gray Scale	-	2	2	2	16	64
Storage Life Time (Lighting area of pixel 50%)	years	3.0				
Purposes	-	Consumer	Consumer	Consumer	Consumer	Consumer
Notes	-	R40 10times Bendable				

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