

Standard Products List

Glass Type - Mono White

2020/NOV Rev.24



Part number		ELW0501AB	ELW0804AA	ELW0901AA	ELW1004AA	ELW1005AA	ELW1101AA	ELW1301AA
Image								
Diagonal	Inch	0.5	0.8	0.9	0.96	0.96	1.1	1.3
Color-type	-	Mono White	Mono White	Mono White	Mono White	Mono White	Mono White	Mono White
Resolution (W×H)	-	60 x 32	128 x 64	128 x 36	128 x 64	128 x 64	128 x 128	128 x 40
Panel Size	mm	15.3 x 10.2	25.45 x 18.30	25.28 x 9.9	15 x 28	24.70 x 16.60	25.64 x 27.85	36.74 x 14.00
Active Area	mm	11.25 x 5.99	18.53 x 9.26	21.734 x 6.095	10.856 x 21.736	21.74 x 11.175	20.2 x 20.2	31.84 x 8.65
Pixel Pitch	mm	0.188 x 0.188	0.145 x 0.145	0.17 x 0.17	0.17 x 0.17	0.17 x 0.175	0.158 x 0.158	0.249 x 0.217
Thickness (typical)	mm	1.085	2.4	0.94	1.189	1.139	1.525	1.03
Weight	g	0.6	1.6	0.6	1.1	1.0	2.4	1.4
Luminance @Lighting Rate 30%	cd/m ²	250 (500)	350 (500)	500 (800)	180 (300)	50 (90)	100 (200)	350 (700)
Circular Polarizer	-	With	With	Without	With	With	With	Without
Lifetime @Lighting Rate/1dot =30%	hrs	15,000 (20,000)	10,000 (10,000)	20,000 (35,000)	30,000 (30,000)	28,000 (28,000)	30,000 (30,000)	30,000 (30,000)
I/F	-	SPI / I ² C	SPI	SPI	SPI / I ² C / Paralel	SPI	SPI / I ² C / Paralel	SPI / I ² C
Panel Drive Voltage	V	13.0 (13.0)	VHA17.0/VHC12.5 (VHA19.0/VHC14.5)	13.0 (13.0)	13.0 (13.0)	-	16.5 (16.5)	12.0 (14.0)
Logic Power Voltage	V	2.8	5.0	1.8	3.0	3.3	2.0	3.3
Power Consumption @Lighting Rate 30%	mW	18.0 (30.0)	82.0 (120.0)	28.5 (35.0)	47.0 (80.0)	-	89.0 (120.0)	33.5 (70.0)
FPC (pin No)	-	11	22	11	22	15	35	11
Accommodated connector	-	IRISO 9671S-11B-GF	IRISO SERIES 9692	IRISO 9671S-11B-GF	Solder Connection type	Solder Connection type	KYOCERA 04 6293 635 005 829+	IRISO 9671S-11B-GF
Operating Temperature	°C	-20~+75	-40~+85	-20~+75	-20~+75	-20~+75	-20~+75	-20~+75
Storage Temperature	°C	-40~+85	-40~+105	-40~+85	-40~+85	-40~+85	-40~+85	-40~+85
Gray Scale	-	2	16	2	2	2	16	2
Storage Life Time Expectancy (Lighting area of pixel 50%)	years	5.5	12.5	4.1	3.0	3.0	7.3	9.5
Purpose	-	Consumer	Automotive	Consumer	Consumer	Consumer	Consumer	Consumer

Part number		ELW1501AA	ELW1502AAG	ELW1904BA	ELW2106AA	ELW2701AA	ELW3601AAR	ETW1002AA
Image								
Diagonal	Inch	1.5	1.5	1.9	2.1	2.7	3.6	1.0
Color-type	-	Mono White	Mono White	Mono White	Mono White	Mono White	Mono White	Mono White
Resolution (W×H)	-	128 x 128	120 Segment	160 x 128	256 x 64	176 x 52	256 x 64	128 x 64
Panel Size	mm	31.55 x 33.77	35.0 x 39.8	48.8 x 34.5	60.60 x 17.50	75.80 x 31.44	94.70 x 30.80	28.00 x 15.00
Active Area	mm	26.09 x 26.09	26.20 x 26.63	39.34 x 28.90	50.66 x 12.39	65.794 x 19.676	87.528 x 21.288	21.736 x 10.856
Pixel Pitch	mm	0.204 x 0.204	-	0.246 x 0.246	0.198 x 0.194	0.374 x 0.379	0.342 x 0.333	0.170 x 0.170
Thickness (typical)	mm	1.3	2.4	1.22	1.34	2.01	1.54	1.23
Weight	g	3.5	6.0	4.3	2.7	10.3	8.8	1.1
Luminance @Lighting Rate 30%	cd/m ²	200 (400)	500 (700)	500 (600)	250 (500)	120 (250)	140 (180)	350 (450)
Circular Polarizer	-	Without	With	Without	With	With	With	With
Lifetime @Lighting Rate/1dot =30%	hrs	15,000 (15,000)	10,000 (10,000)	30,000 (35,000)	20,000 (20,000)	20,000 (20,000)	30,000 (30,000)	20,000 (20,000)
I/F	-	SPI	SPI	Parallel, SPI, I2C	SPI	SPI	SPI	SPI
Panel Drive Voltage	V	17.0 (17.0)	VHA12.0/VHC12.0 (VHA12.0/VHC12.0)	15.5 (15.5)	16.5 (17.0)	16.0 (16.0)	17.0 (17.0)	15.0
Logic Power Voltage	V	2.8	5.0	3.0	3	3.3	2.8	3.0
Power Consumption @Lighting Rate 30%	mW	150 (210)	180 (270)	280 (360)	190 (430)	160 (250)	330 (380)	80 (110)
FPC (pin No)	-	19	24	31	14	18	21	23
Accommodated connector	-	HIROSE FH35C-19S-0.3SHW	IRISO SERIES 9692	TE Connectivity/Amp 1-2013496-1	MOLEX 503480-1400	IRISO 9637 Series	HIROSE FH35C-21S-0.3SHW	HIROSE FH35C-23S-0.3SHW
Operating Temperature	°C	-20~+75	-40~+85	-40~+75	-20~+80	-20~+75	-20~+75	-20~+80
Storage Temperature	°C	-40~+85	-40~+105	-40~+85	-40~+85	-40~+85	-40~+85	-40~+85
Gray Scale	-	16	-	2	16	16	16	2
Storage Life Time Expectancy (Lighting area of pixel 50%)	years	6.6	12.5	5.0	10.0	7.3	7.0	3.0
Purpose	-	Consumer	Automotive	Consumer	Consumer	Consumer	Consumer	Consumer
								With in-cell touch

All specifications are subject to change without notice.

Storage lifetime is the expectation from estimated values and not guaranteed.

Touch keys can be added as an **option**

() Indicates values for **optional version**, development samples L/T= 3 months

Standard Products List

Glass Type - Full Color

2020/NOV Rev.24



Part number		ELF1101AA	ELF1308BF	ELF2101AA
Image				
Diagonal	Inch	1.1	1.3	2.1
Color-type	-	Full color	Full color	Full color
Resolution (W×H)	-	96 x RGB x 96	128 x RGB x 128	176 x RGB x 48
Panel Size	mm	25.81 x 27.07	28.40 x 29.60	60.50 x 19.50
Active Area	mm	20.137 x 20.136	23.401 x 23.400	50.664 x 12.364
Pixel Pitch	mm	0.21 x 0.21	0.183 x 0.183	0.288 x 0.258
Thickness (typical)	mm	1.2	1.19	1.22
Weight	g	2.3	2.9	3.0
Luminance	cd/m ²	120 (240)	120 (200)	120 (150)
Circular Polarizer	-	Without	Without	Without
Lifetime @Lighting Rate/1dot =30%	hrs	10,000 (10,000)	10,000 (10,000)	10,000 (10,000)
I/F	-	Parallel	SPI	SPI / I ² C
Panel Drive Voltage	V	17.0 (16.0)	15.0 (17.0)	17.5 (17.5)
Logic Power Voltage	V	2.7	1.8	3.0
Power Consumption @Lighting Rate 30%	mW	85.0 (170.0)	130.0 (190.0)	250.0 (220.0)
FPC (pin No)	-	33	18	23
Accommodated connector	-	HIROSE FH35-33S-0.3SHW	I-PEX 20542-018E-01	HIROSE FH35C-23S-0.3SHW
Operating Temperature	°C	-20~+75	-20~+75	-20~+75
Storage Temperature	°C	-40~+85	-40~+85	-40~+85
Gray Scale	-	65k color	65k color	65k color
Storage Life Time Expectancy (Lighting area of pixel 50%)	years	5.4	3.6	5.0
Purpose		Consumer	Consumer	Consumer

Film Type - Mono and Full Color

Part number		EPW0702BA	EPW1804AA	EPW2001AA	EPF1003AA	EPF1402CA	EPF1501AA
Image							
Diagonal	Inch	0.7	1.8	2.0	1.0	1.4	1.5
Color-type	-	Mono White	Mono White	Mono White	Full color	Full color	Full color
Resolution (W×H)	-	128 x 80	160 x 32	256 x 64	64 x RGB x 128	128 x RGB x 16	176 x RGB x 176
Panel Size	mm	25.80 x 15.00	55.30 x 14.00	58.70 x 17.50	16.30 x 32.80	45.60 x 9.03	33.20 x 37.20
Active Area	mm	15.074 x 9.41	45.096 x 8.488	48.104 x 11.88	10.54 x 21.992	34.408 x 3.432	26.116 x 26.112
Pixel Pitch	mm	0.118 x 0.118	0.282 x 0.266	0.188 x 0.186	0.165 x 0.172	0.269 x 0.216	0.1485 x 0.1485
Thickness (typical)	mm	0.15mm (except driver IC)					
Weight	g	0.2	0.5	0.7	0.3	0.1	0.8
Luminance @Lighting Rate 30%	cd/m ²	1,400	1,500	1,400	400	550	180
Circular Polarizer	-	Without	Without	Without	Without	Without	Without
Lifetime @Lighting Rate/1dot =30%	hrs	6,400	16,000	14,000	4,000	4,000	13,000
I/F	-	SPI, I2C	SPI, I2C	SPI, I2C	SPI, I2C	SPI, I2C	SPI, I2C
Panel Drive Voltage	V	15.0	15.0	17.0	17.0	15.0	17.0
Logic Power Voltage	V	1.8	3.0	3.0	3.0	1.8	3.0
Power Consumption @Lighting Rate 30%	mW	100	150	280	160	100	200
FPC (pin No)	-	15	18	14	23	17	23
Accommodated connector	-	HIROSE FH26-15S-0.3SHW	HIROSE FH34SRJ-18S- 0.5SH(50)	Molex 503480-1400	HIROSE FH35C-23S- 0.3SHW	KYOCERA 04 6293 617 005 829+	HIROSE FH35C-23S- 0.3SHW
Operating Temperature	°C	-20 ~ +60°C					
Storage Temperature	°C	-30 ~ +60°C					
Gray Scale	-	2	16	16	65k color	65k color	65k color
Storage Life Time Expectancy (Lighting area of pixel 50%)	years	5.0	5.0	5.0	5.0	5.0	5.0
Purpose		Consumer	Consumer	Consumer	Consumer	Consumer	Consumer

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() Indicates values for **optional** version, development samples L/T= 3 months