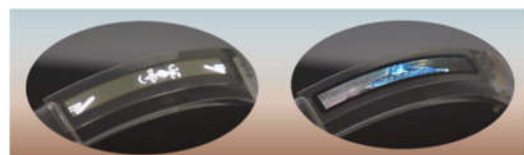


## New Generation of FILM OLEDs



One big advantage of this new line of flexible OLEDs is the lower price, averaging about 50% lower than previous versions. From an optical stand point, the displays are made with high efficiency organic material proving high brightness. From a mechanical stand point, the overall thickness was reduced to 0.15mm. Many of the new features are achieved by replacing the sealing film with a layer of ultra thin stainless steel. Below is a list of our ever expanding lineup offering various sizes to meet the needs of consumer applications.

\* Custom sizes and optional cap touch can be developed.

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 <sup>2</sup>	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

### Futaba Corporation of America

Ready to know more?  
Please contact us.

711 East State Parkway  
Schaumburg, IL 60173  
Phone:847-884-1444  
info@futaba.com