

**LCD-AC-1602E-YLY Y/G-E12 C PBF**

Wyświetlacz 2x16 z podświetlaniem LED (yellow-green)

( poprzednie oznaczenie produktu LCD-H-1602F-205 Y/G )

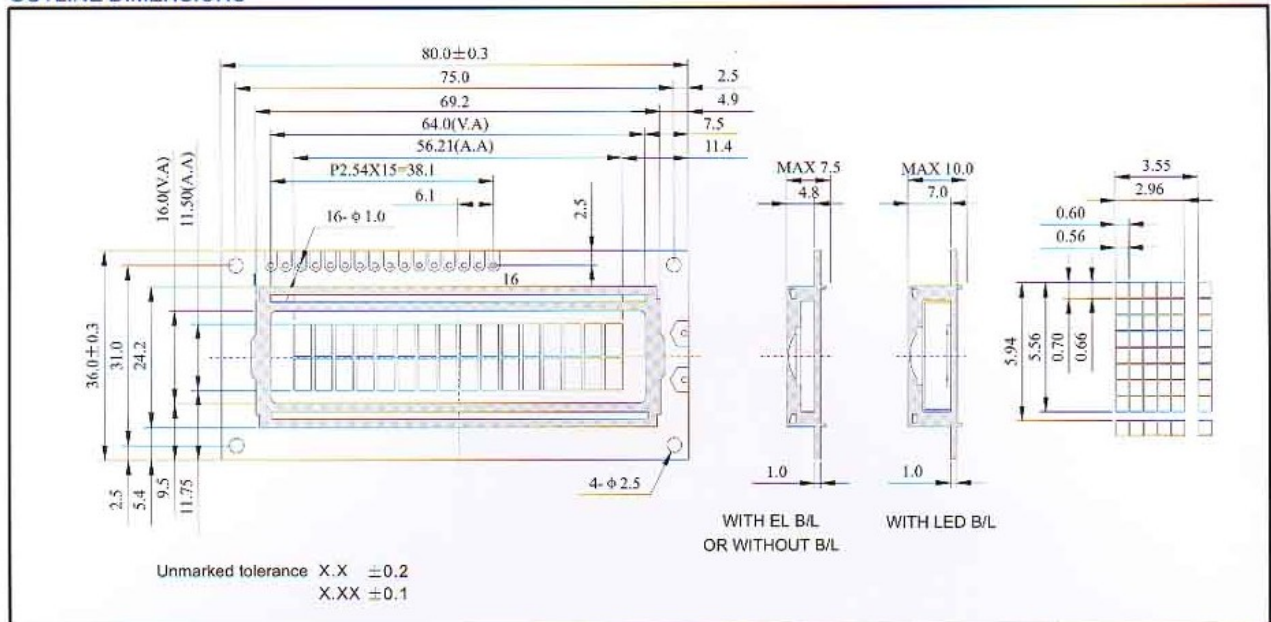
rozszerzony zakres temperatury "fast"



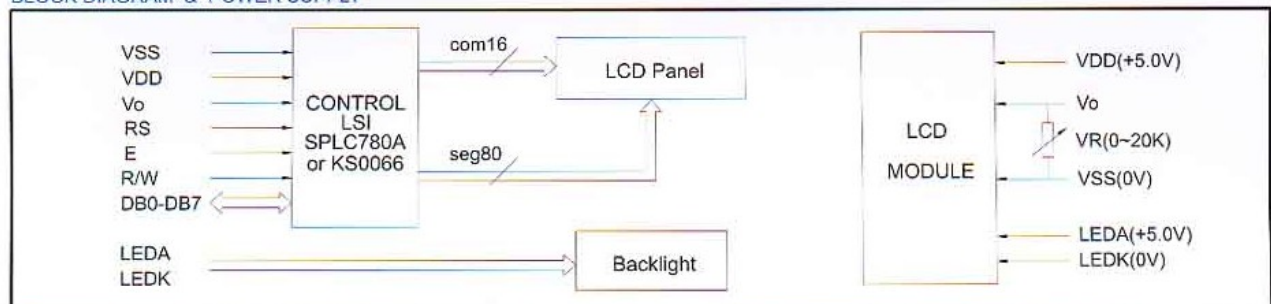
# HY-1602F Series

16x2 CHARACTERS  
1/16 DUTY, 1/5 BIAS

## OUTLINE DIMENSIONS



## BLOCK DIAGRAM & POWER SUPPLY



### MECHANICAL SPECIFICATIONS & FEATURE

Item	Normal Dimensions(mm)	FEATURE	
Module Size (W*H*T)	80.0x36.0x7.5/10.0	LCD Type	STN 、 TN 、 HTN 、 FSTN
View Area (W*H)	64.0x16.0	LCD Colour	STN:Yellow-Green 、 Gray Other:Gray
Character Pitch(W*H)	3.55x5.94	View Angle	6 O'clock 、 12 O'clock
Character Size(W*H)	2.96x5.58	Display Type	Positive Type 、 Negative Type
Character Font	5x8	Rear polarizer	Transmissive 、 Reflective 、 Transflective
Dot Pitch (W*H)	0.60x0.70	Operating Temperature	0 ℃ ~ 50 ℃ 、 -20 ℃ ~ 70 ℃
Dot Size (W*H)	0.56x0.66	Backlight	LED:Yellow EL:Green、 Blue-Green、 Blue Without

### ELECTRICAL CHARACTERISTICS

Item	Symbol	Test Condition	Min.	Typ.	Max.	Unit
Operating Voltage	Vdd	Ta=25 ℃	---	5.0	---	V
Operating Voltage for LCD	Vlcd	Ta=25 ℃	---	4.5	---	V
Supply Current	Idd	Ta=25 ℃ , Vdd=5.0V	---	2.0	3.0	mA
Supply Current for Backlight(LED)	If	Ta=25 ℃ , Vf=4.2V	---	120	---	mA

### INTERFACE PIN CONNECTIONS

Pin No	Symbol	Level	Description
1	VSS	--	Ground for Logic
2	VDD	--	Power supply for Logic
3	Vo	--	Power supply for LCD drive
4	RS	H/L	Register selection (H:Data register, L:Instruction register)
5	R/W	H/L	Read/write selection (H:Read,L:Write)
6	E	H/H→L	Enable signal for LCM
7-14	DB0-DB7	H/L	Data Bus lines
15	LEDA	--	Power supply for Backlight(+)
16	LEDK	--	Power supply for Backlight(-)