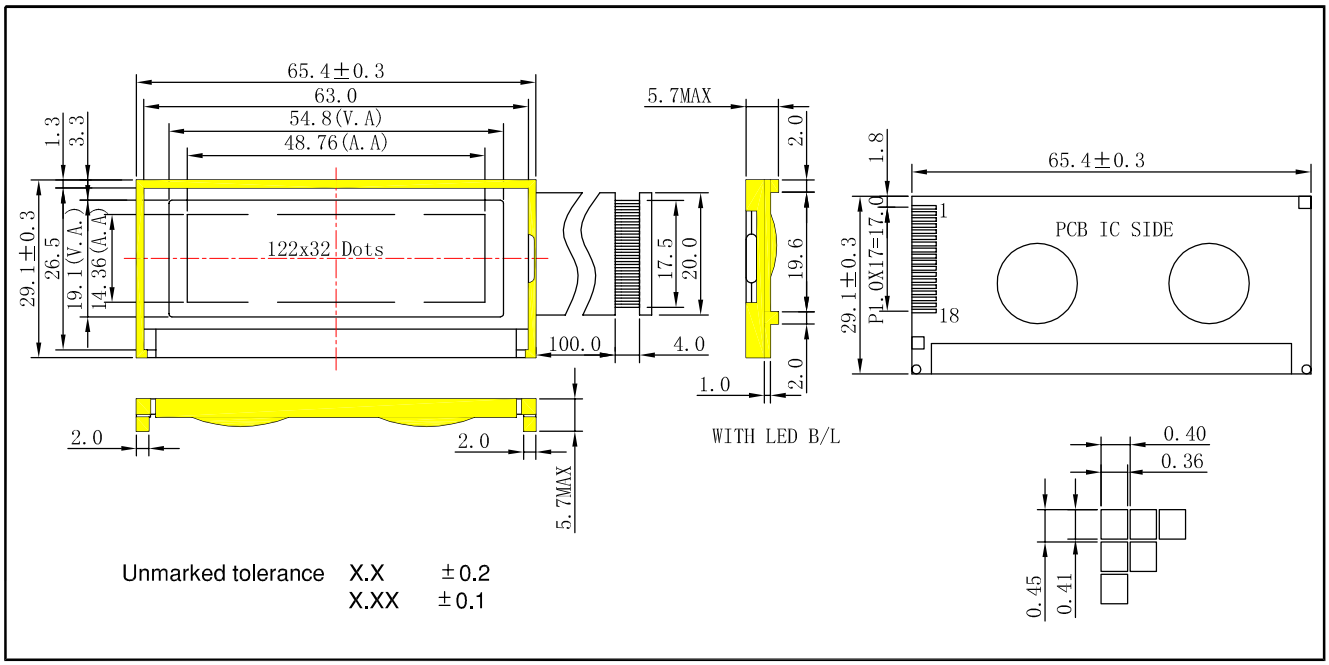
AV-DISPLAY

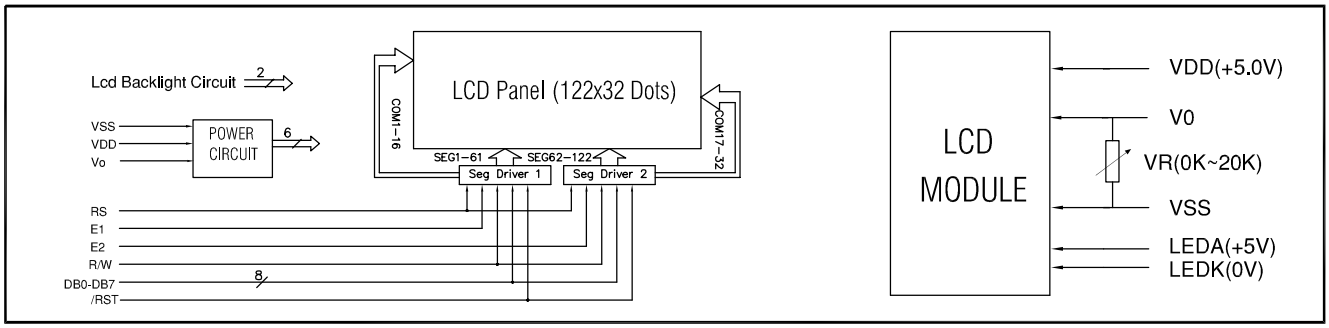
HY-12232L Series

122x32 DOTS
1/32 DUTY,1/5 BIAS

OUTLINE DIMENSIONS



BLOCK DIAGRAM & POWER SUPPLY



MECHANICAL SPECIFICATIONS & FEATURE

Item	Normal Dimensions(mm)	FEATURE	
Module Size (W*H*T)	65.4x29.1x5.7	LCD Type	STN、FSTN
View Area (W*H)	54.8x19.1	LCD Colour	STN:Yellow-Green、Gray FSTN:Gray
DotsxDots (W*H)	122x32	View Angle	6 O'clock、12 O'clock
Dot Pitch (W*H)	0.40x0.45	Display Type	Positive Type、Negative Type
Dot Size (W*H)	0.36x0.41	Rear polarizer	Transmissive、Reflective、Transflective
---	---	Operating Temperature	0°C ~ 50°C 、-20°C ~ 70°C
---	---	Backlight	LED:YELLOW

ELECTRICAL CHARACTERISTICS

Item	Symbol	Test Condition	Min.	Typ.	Max.	Unit
Operating Voltage	Vdd	Ta=25° C	---	5.0	---	V
Operating Voltage for LCD	Vlcd	Ta=25° C	---	4.5	---	V
Supply Current	Idd	Ta=25° C, Vdd=5.0V	---	2.0	3.0	mA
Supply Current for Backlight(LED)	If	Ta=25° C, Vf=4.2V	---	150	---	mA

INTERFACE PIN CONNECTIONS

Pin No	Symbol	Level	Description
1	VDD	--	Power supply for Logic(+5.0V)
2	VSS	--	Ground for Logic
3	Vo	--	Power supply for LCD drive
4	/RST	L	Reset signal
5	E1	H/H—L	Enable signal for IC1(left half of the panel)
6	E2	H/H—L	Enable signal for IC2(right half of the panel)
7	R/W	H/L	Read/write selection (H:Read,L:Write)
8	RS	H/L	Register selection (H:Data register, L:Instruction register)
8-16	DB0-DB7	H/L	Data Bus lines
17	LEDA	--	Power supply for Backlight(+)
18	LEDK	--	Power supply for Backlight(-)

REMARK

Operating voltage option: 5.0V or 3.0V
Pin17 and Pin18 electrode(A、K) can be exchanged
Negative type LCD colour: Blue