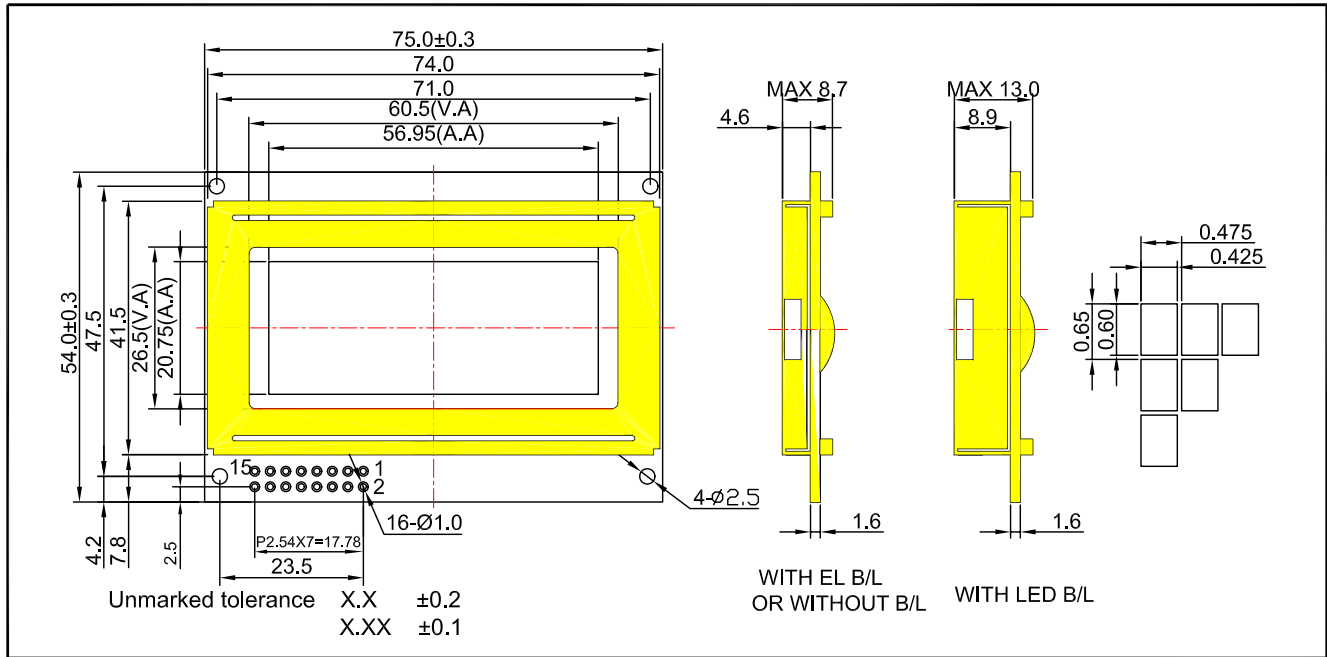


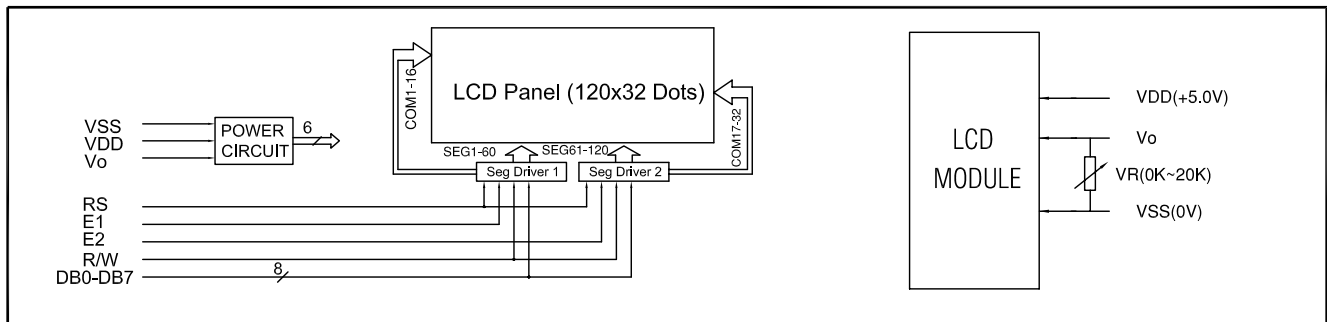
AV-DISPLAY ABG120032A Series

120x32 DOTS
1/32 DUTY, 1/6 BIAS

OUTLINE DIMENSIONS



BLOCK DIAGRAM & POWER SUPPLY



MECHANICAL SPECIFICATIONS & FEATURE

Item	Normal Dimensions(mm)	FEATURE	
Module Size (W*H*T)	75.0X54.0X8.7/13.0MAX	LCD Type	STN, FSTN
View Area (W*H)	60.5X26.5	LCD Colour	STN:Yellow-Green, Gray FSTN:Gray
DotsxDots(W*H)	120x32	View Angle	6 O'clock, 12 O'clock
Dot Pitch (W*H)	0.475X0.65	Display Type	Positive Type, Negative Type
Dot Size (W*H)	0.425X0.60	Rear polarizer	Transmissive, Reflective, Transflective
---	---	Operating Temperature	0°C ~ 50°C, -20°C ~ 70°C
---	---	Backlight	LED:Yellow EL:Green, Blue-Green, Blue Without

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	---	7.0	---	V
Supply Current	Idd	Ta=25°C, Vdd=5.0V	---	2.0	3.0	mA
Supply Current for Backlight	---	---	---	---	---	---

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	E1	H/H—L	Enable signal for IC1(left half of the panel)
7	E2	H/H—L	Enable signal for IC2(right half of the panel)
8	NC	--	No connective
9-16	DB0-DB7	H/L	Data bus lines

REMARK

Negative type LCD colour: Blue
Old No:HY-12032A Series