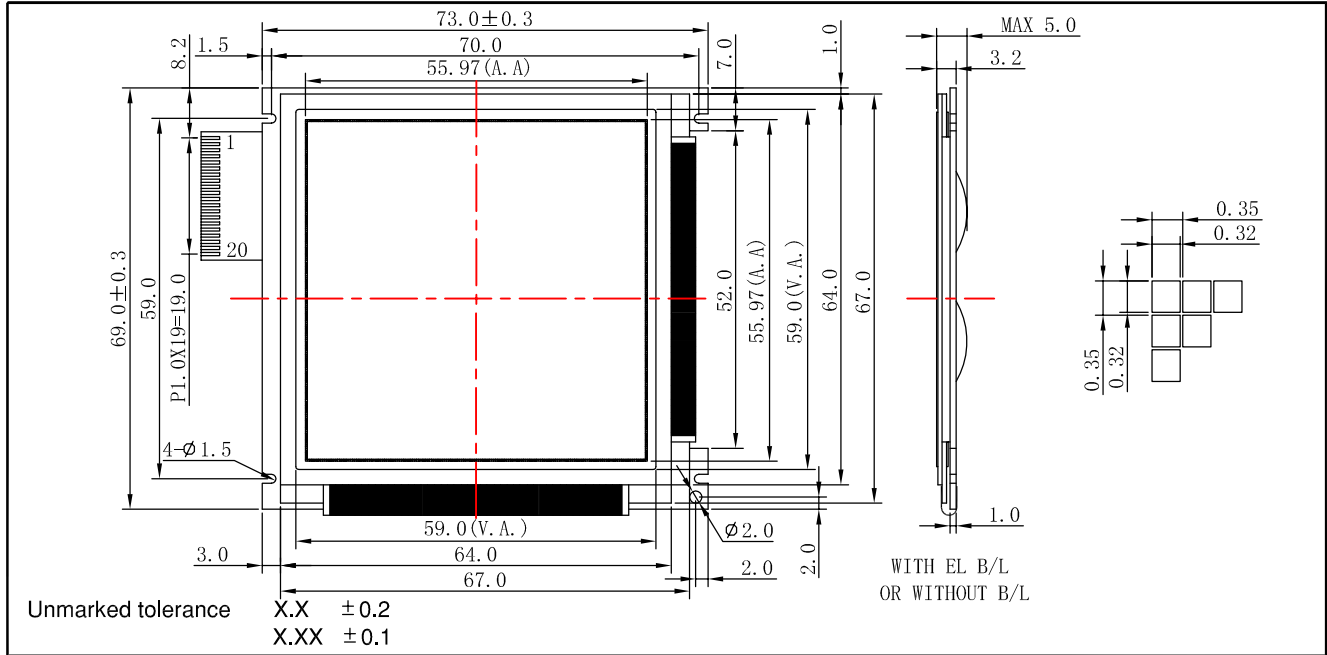
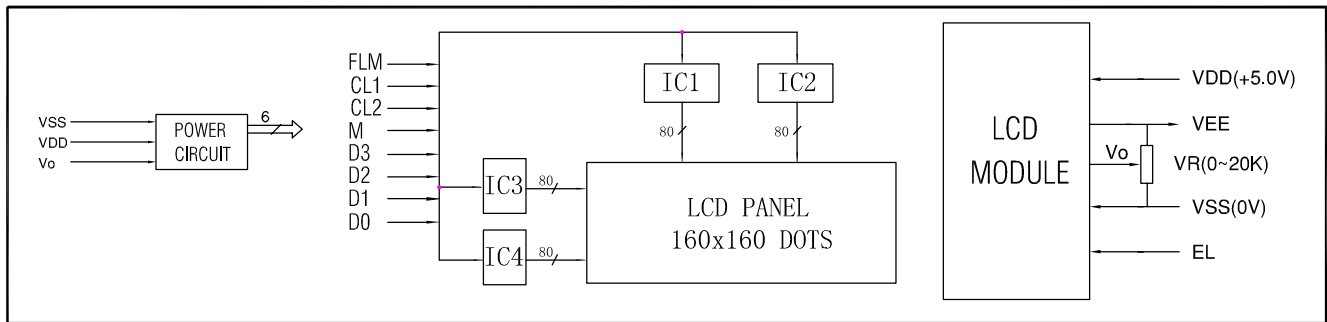


OUTLINE DIMENSIONS



BLOCK DIAGRAM & POWER SUPPLY



MECHANICAL SPECIFICATIONS & FEATURE

Item	Normal Dimensions(mm)	FEATURE	
Module Size (W*H*T)	73.0x69.0x5.0	LCD Type	STN、FSTN
View Area (W*H)	59.0x59.0	LCD Colour	STN:Yellow-Green、Gray FSTN:Gray
DotsxDots (W*H)	160x160	View Angle	6 O'clock、12 O'clock
Dot Pitch (W*H)	0.35x0.35	Display Type	Positive Type、Negative Type
Dot Size (W*H)	0.32x0.32	Rear polarizer	Transmissive、Reflective、Transflective
---	---	Operating Temperature	0°C ~ 50°C、-20°C ~ 70°C
---	---	Backlight	EL:Green、Blue-Green、Blue Without

ELECTRICAL CHARACTERISTICS

Item	Symbol	Test Condition	Min.	Typ.	Max.	Unit
Operating Voltage	Vdd	Ta=25° C	---	5.0	6.0	V
Operating Voltage for LCD	Vlcd	Ta=25° C	---	18.0	---	V
Supply Current	Idd	Ta=25° C, Vdd=5.0V	---	5.0	---	mA
Supply Current for Backlight(EL)	If	Ta=25° C, Vdd=5.0V	---	30	---	mA

INTERFACE PIN CONNECTIONS

Pin No	Symbol	Level	Description
1	ARJ	--	Adjust contrast(1)
2	CTRL	--	Adjust contrast(2)
3	VSS	--	Ground for logic
4	FLM	H/L	The signal indicate the beginning of each frame
5	CL1	H→L	Data latch pulse
6	CL2	H→L	Data shift clock pulse
7	M	H/L	Alternate signal for LCD driving waveform
8	VDD	--	Power supply for Logic(+5.0V)
9	EL_ON	--	EL driver enable signal
10	VEE	--	Negative voltage output
11-14	DB3-DB0	H/L	Display data
16-18	TP_L-D	--	Touch panel signal
19-20	VSS	--	Ground for Logic

REMARK

Operating voltage option:5.V or 3.0V
Negative type LCD colour:Blue