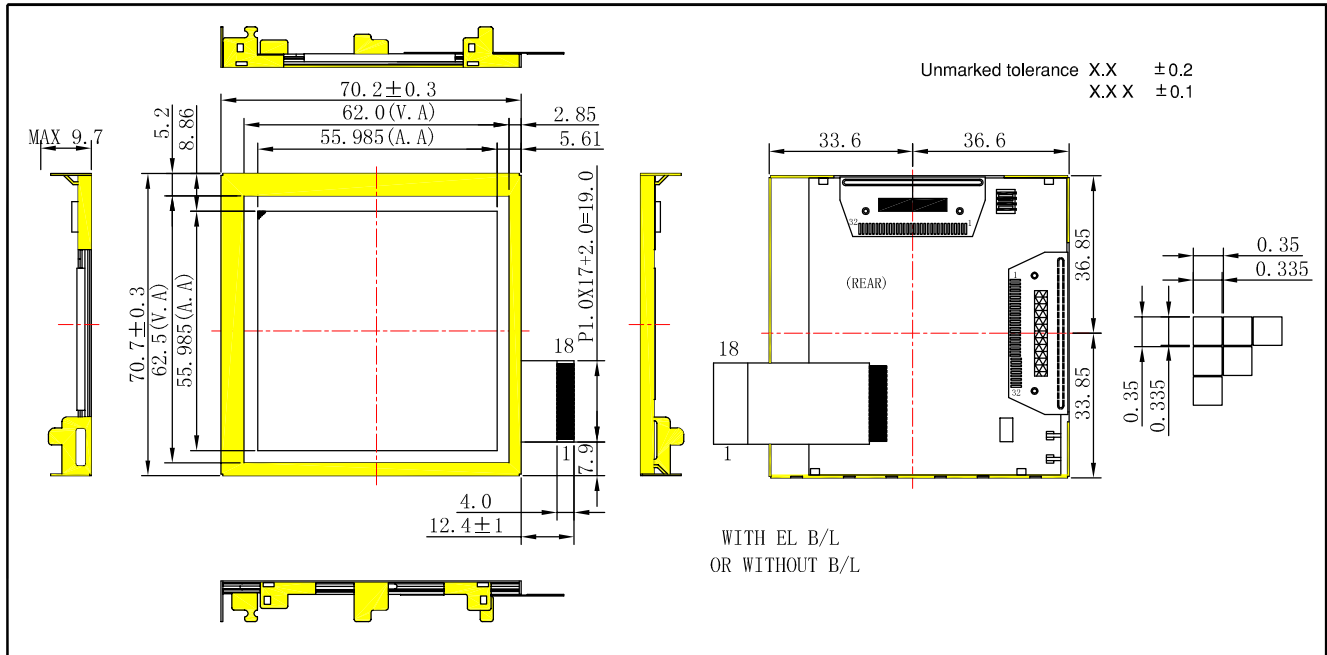


AV-DISPLAY

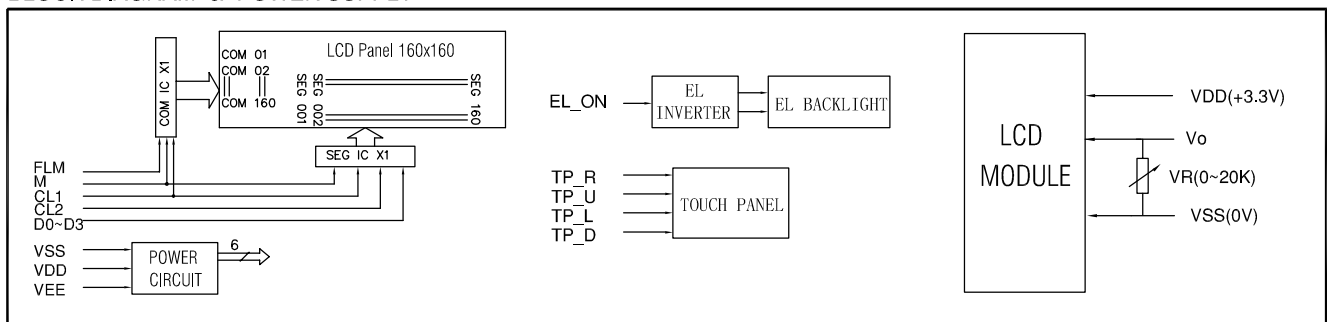
HY-160160C Series

160x160 DOTS
1/160 DUTY, 1/13 BIAS

OUTLINE DIMENSIONS



BLOCK DIAGRAM & POWER SUPPLY



MECHANICAL SPECIFICATIONS & FEATURE

Item	Normal Dimensions(mm)	FEATURE	
Module Size (W*H*T)	70.2x70.7x9.7	LCD Type	FSTN
View Area (W*H)	62.0x62.5	LCD Colour	Gray
DotsxDots(W*H)	160x160	View Angle	6 O'clock、12 O'clock
Dot Pitch (W*H)	0.35x0.35	Display Type	Positive Type
Dot Size (W*H)	0.335x0.335	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	V _{dd}	T _a =25° C	---	3.3	---	V
Operating Voltage for LCD	V _{lcd}	T _a =25° C	---	18.5	---	V
Supply Current	I _{dd}	T _a =25° C, V _{dd} =3.3V	---	1.1	1.6	mA
Supply Current for Backlight(EL)	I _f	T _a =25° C, V _f =3.3V	---	18	---	mA

INTERFACE PIN CONNECTIONS

Pin No	Symbol	Level	Description
1	VSS	--	Ground for Logic
2	FLM	--	Frame start signal
3	CL1	--	Data latch pulse
4	CL2	--	Data shift pulse
5	M	--	AC signal for LCD driving
6	VDD	--	Power supply for Logic(+3.3V)
7	EL_ON	H	EL control signal(H:ON,L:OFF)
8	VEE	--	LCD driving voltage(+V)
9-12	D3-D0	H/L	Display data
13	TP_L	--	Touch panel signal
14	TP_U		
15	TP_R		
16	TP_D		
17/18	VSS	--	Ground for Logic