

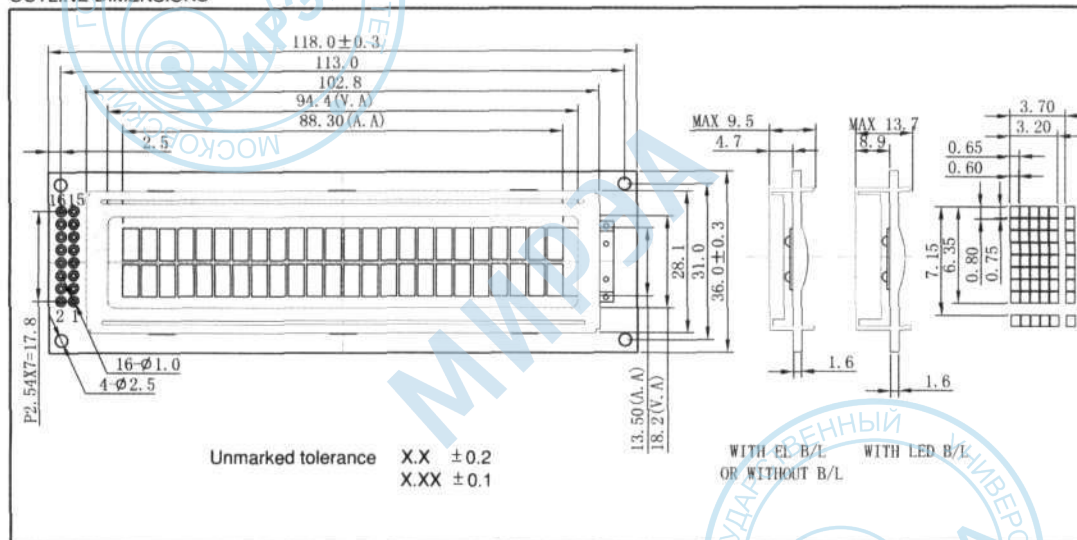
ЖИДКОКРИСТАЛЛИЧЕСКИЕ ИНДИКАТОРЫ

СИМВОЛЬНЫЕ ИНДИКАТОРЫ

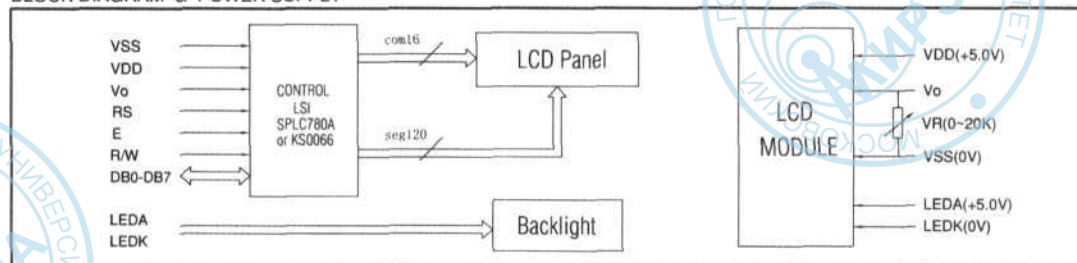
AV-DISPLAY

HY-2402A Series24x2 CHARACTERS
1/16 DUTY, 1/5 BIAS

OUTLINE DIMENSIONS



BLOCK DIAGRAM & POWER SUPPLY



MECHANICAL SPECIFICATIONS & FEATURE

Item	Normal Dimensions(mm)	LCD Type	FEATURE
Module Size (W*H*T)	118.0x36.0x9.5/13.7	STN, TN, HTN, FSTN	STN, TN, HTN, FSTN
View Area (W*H)	94.4x18.2	LCD Colour	STN: Yellow-Green, Gray Other: Gray
Character Pitch(W*H)	3.20x6.35	View Angle	6 O'clock, 12 O'clock
Character Size(W*H)	3.70x7.15	Display Type	Positive Type
Character Font	5x8	Rear polarizer	Transmissive, Reflective, Transflective
Dot Pitch (W*H)	0.65x0.80	Operating Temperature	0°C ~ 50°C, -20°C ~ 70°C
Dot Size (W*H)	0.60x0.75	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	---	4.2	---	V
Supply Current	Idd	Ta = 25°C, Vdd = 5.0V	---	2.0	3.0	mA
Supply Current for Backlight(LED)	If	Ta = 25°C, VI = 4.2V	---	250	---	mA

INTERFACE PIN CONNECTIONS

Pin No	Symbol	Level	Description
1	VSS	--	Ground for Logic
2	VDD	--	Power supply for Logic(+5.0V)
3	Vo	--	Power supply for LCD drive
4	R/W	H/L	Read/write selection (H: Read, L: Write)
5	RS	H/L	Register selection (H: Data register, L: Instruction register)
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(-)

REMARK

Operating voltage option: 5.0V or 3.3V
Pin15 and Pin16 electrode(A-, K-) can be exchanged
CGROM font option: English, Japanese, Russian, etc