

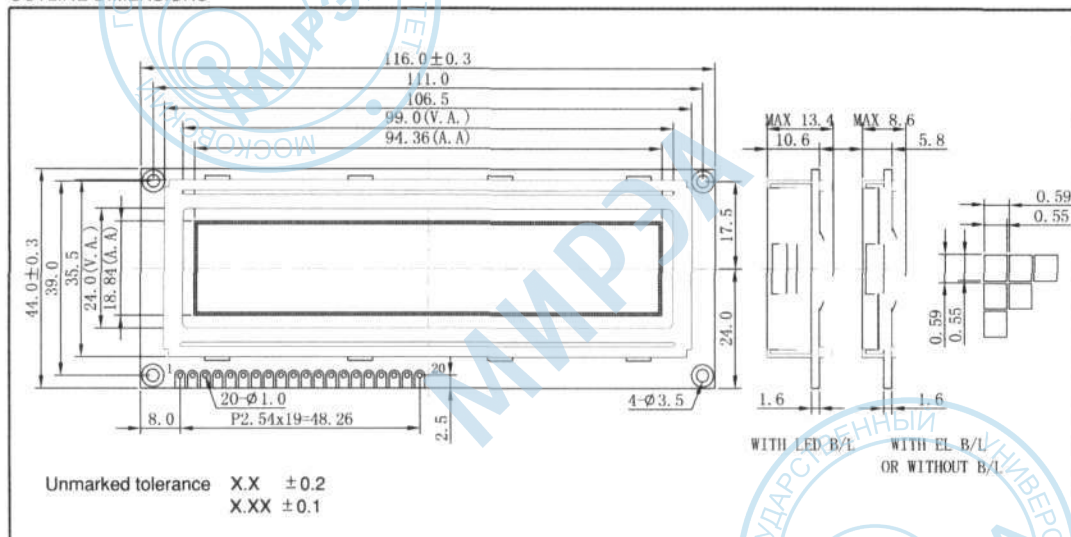
ЖИДКОКРИСТАЛЛИЧЕСКИЕ ИНДИКАТОРЫ

ГРАФИЧЕСКИЕ ИНДИКАТОРЫ

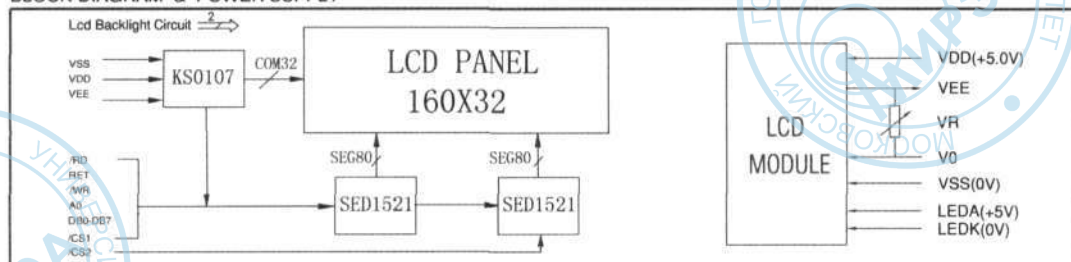
AV-DISPLAY

HY-16032B Series160x32 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)	116.0x44.0x8.6/13.4	LCD Type STN, FSTN
View Area (W*H)	99.0x24.0	LCD Colour STN:Yellow-Green, Gray FSTN:Gray
Dots/Dots (W*H)	160x32	View Angle 6 O'clock, 12 O'clock
Dot Pitch (W*H)	0.59x0.59	Display Type Positive Type, Negative Type
Dot Size (W*H)	0.55x0.55	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	---	6.5	---	V
Supply Current	Idd	Ta=25°C, Vdd=5.0V	---	4.0	5.0	mA
Supply Current for Backlight(EL)	If	Ta=25°C, Vf=5.0V	---	160	200	mA

INTERFACE PIN CONNECTIONS

Pin No	Symbol	Level	Description
1	RS	H/L	Register selection (H:Data register, L:Instruction register)
2	/CS2	L	Chip select signal for right Half of the panel
3	/CS1	L	Chip select signal for left Half of the panel
4	E	H/H—L	Enable signal for LCM
5	R/W	H/L	Read/write selection (H:Read, L:Write)
6	VDD	—	Power supply for Logic (+5.0V)
7	VSS	—	Ground for Logic
8	DB0-DB7	H/L	Data Bus lines
8-16	/RST	L	Reset signal
17	Vo	—	Power supply for LCD drive
18	VEE	—	Negative voltage output
19	LEDA	—	Power supply for Backlight(+)
20	LEDK	—	Power supply for Backlight(-)

REMARK

Pin19 and Pin20 electrode(A, K) can be exchanged
Negative type LCD colour: Blue