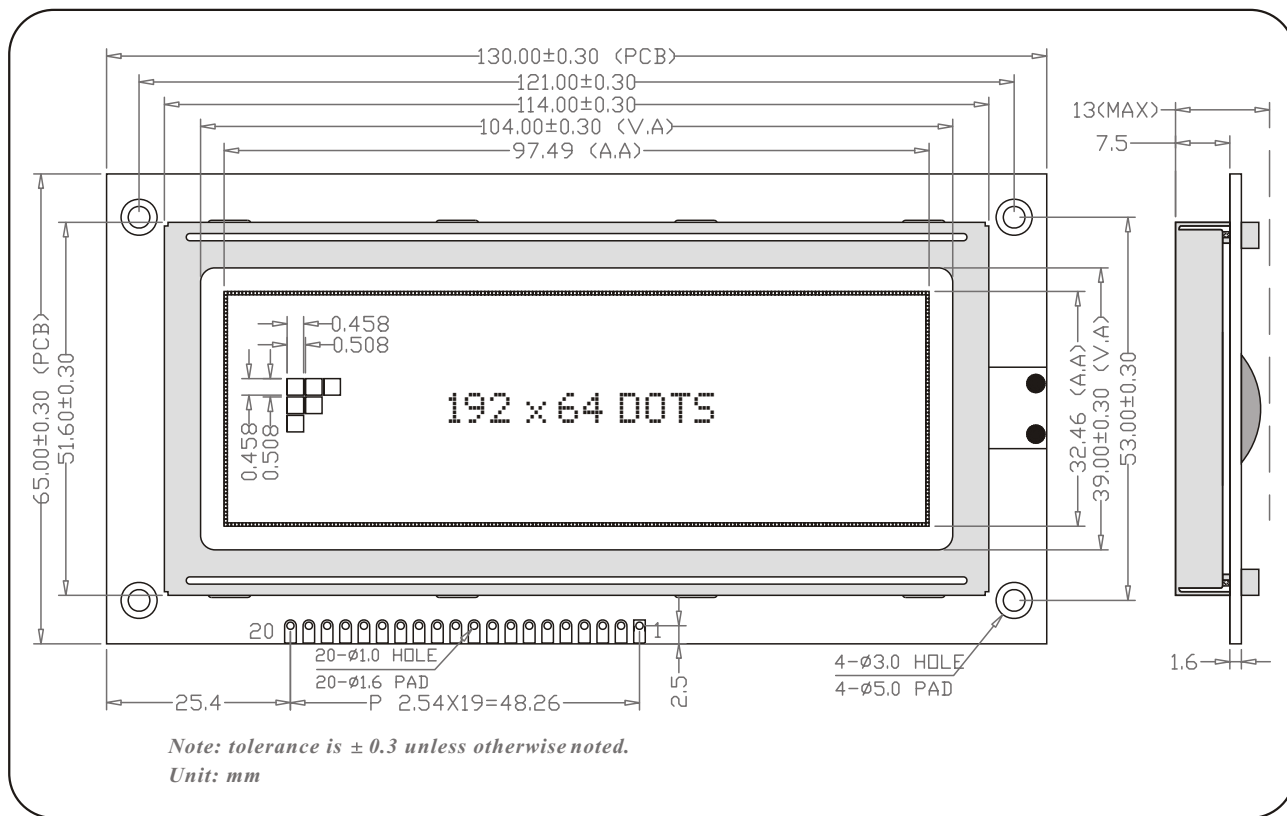


CHARACTERISTICS:

- DISPLAY CONTENT: 192 × 64 DOTS
- LCD TYPE: STN Y/G、STN BLUE、FSTN
- LED BACKLIGHT: Y/G、WHITE
- CONTROLLER: KS0108 OR EQUAL
- OPERATING TEMPERATURE: NORMAL(0-50°C); WIDE(-20-70°C)
- POWER SUPPLY: 5.0V
- VIEWING ANGLE: 6H; 12H

DIMENSIONS/DISPLAY CONTENT



PIN CONFIGURATION

1	2	3	4	5	6	7	8	9	10
Vss	VDD	V0	RS	R/W	E	DB0	DB1	DB2	DB3
11	12	13	14	15	16	17	18	19	20
DB4	DB5	DB6	DB7	CS1	RST	CS2	CS3	VOU	LEDA

ELECTRONIC PARAMETER

Parameter	Symbol	Standard Values			Unit	
		Min.	Typ.	Max		
Voltage	Logic	VDD-VSS	4.75	5.0	5.25	V
	LCD	VDD-V0	4.5	9.0	17	V
Current	Logic	IDD	-	2.5	-	mA
	LCD	IEE	-	2.0	-	mA
LCD Drive Voltage(25°C)			-	9.0	-	V
Input Voltage	H	VIH	0.7VDD	-	VDD	V
	L	VIL	0	-	0.3VDD	V

LIMIT PARAMETER (Ta=25°C)

Parameter	Symbol	Standard Values		Unit
		Min.	Max	
Supply Voltage	VDD-VSS	0	7.0	V
LCD Voltage	VDD-V0	0	17	
Input Voltage	V1	0	VDD	

APPLICATION CIRCUIT

