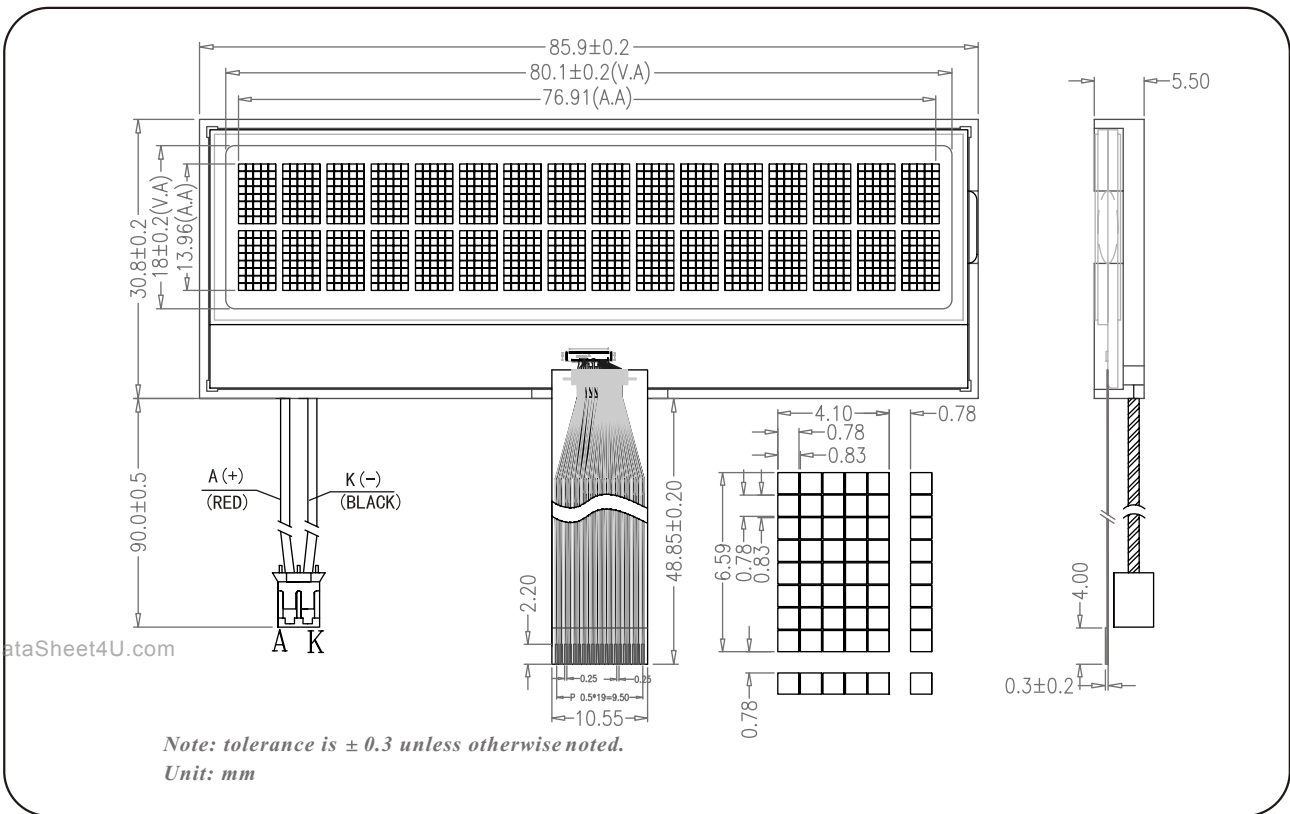


■ CHARACTERISTICS:

- DISPLAY CONTENT: 16 × 2 CHARACTERS
- LCD TYPE: FSTN
- LED BACKLIGHT: WHITE
- CONTROLLER: ST7032 OR EQUAL
- OPERATING TEMPERATURE: NORMAL(0-50°C); WIDE(-20-70°C)
- POWER SUPPLY: 3.3V
- VIEWING ANGLE: 6H; 12H

■ DIMENSIONS/DISPLAY CONTENT



■ PIN CONFIGURATION

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
RES	RS	CS	R/W	E	DB0	DB1	DB2	DB3	DB4	DB5	DB6	DB7	Vss	Vdd	Vout	PSB	PSI2B	CAP1P	CAP1N

■ PARAMETER (VDD=5.0 ± 10%, VSS=0V, Ta=25°C)

Parameter	Symbol	Standard Values			Unit	
		Min.	Typ.	Max		
Supply voltage	VDD-VSS	2.7	3.3	5.5	V	
Input voltage	H	V _{IH}	2.2	-		V _{DD}
	L	V _{IL}	-0.3	-		0.6
LCD Drive Voltage	-	-	5.0	-		
Operating current	I _{DD}	-	1.2	3.0	mA	

■ APPLICATION CIRCUIT

