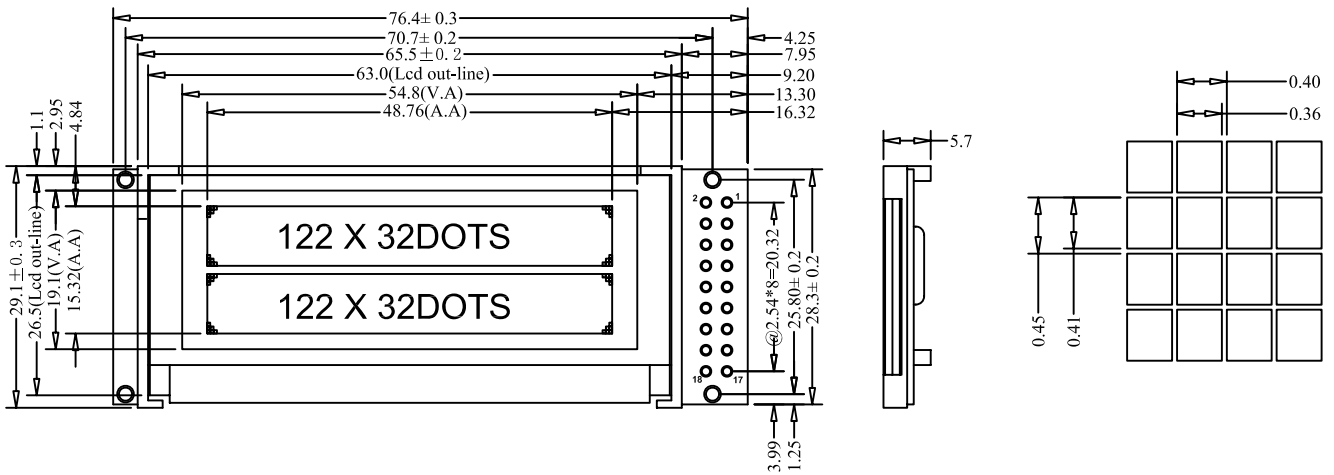


1.DIMENSION OUTLINE



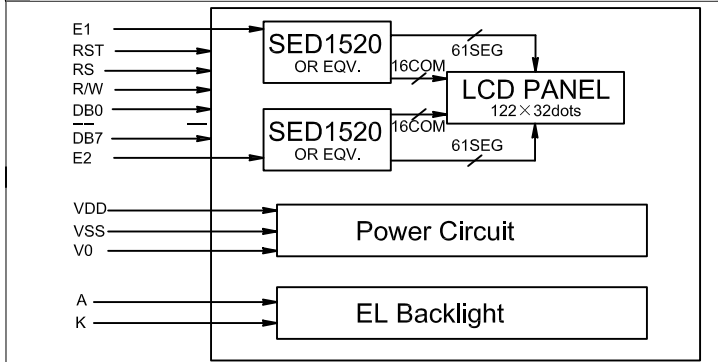
2.MECHANICAL SPECIFICATIONS

ITEM	SPECIFICATIONS	ITEM	REMARK
Module Size(L×W×H)	76.4×29.1×5.7	mm	Reference Dimensional Outline
View Area(W×H)	54.8×19.1	mm	
Effective V/Area(W×H)	48.76×15.32	mm	
Number of Dots	122×32	—	
Dot Pitch(W×H)	0.40×0.45	mm	
Dot Size(W×H)	0.36×0.41	mm	
Weigh(Reflective/LED)	—	g	

3.ABSOLUTE MAXIMUM RATINGS

ITEM	SYMBOL	CONDITION	STANDARD	
			MIN	MAX
Logic Voltage	V _{DD}	T _a =25°C	-0.3V	7V
LCD Voltage	V _{LCD}		-0.3V	13.5V
Input Voltage	V _I		-0.3V	V _{DD} +0.3V
Operation Temperature	T _{OP}	—	-20°C	70°C
Storage Temperature	T _{ST}	—	-20°C	80°C

4.BLOCK DIAGRAM MECHANICAL



5.EL BACKLIGHT SPECIFICATIONS

ITEM	SYMBOL	TYPE	MAX	UNIT
T _a =25°C				
Forward Voltage	V _f	2.1V	—	V
Forward Current	I _f	—	150	mA
Emission Wave Length	λ _p	568	—	nm

6.INTERFACE PIN CONNECTIONS

ITEM	SYMBOL	LEVEL	FUNCTIONS
1	VDD	+5V	Power Supply For Logic
2	VSS	0V	Power Ground
3	V0	—	Contrast ajust
4	RES	H/L	Reset Signal
5	E1	L	Chip selection for IC1
6	E2	L	Chip selection for IC2
7	R/W	H/L	H:read L:write
8	RS	H/L	H:data L: instruction data
9-16	DB0-DB7	H/L	Data Bus
17	BLA	+2.1v	Power Supply For LED Backlight
18	BLK	0V	

7.ELECTRICAL CHARACTERISTICS

ITEM	SYMBOL	MIN	TYPE	MAX	UNIT
T _a =25°C					
Logic Power	V _{DD}	4.5	5	5.5	V
Input High Voltage	V _{IH}	2	—	V _{DD}	V
Input Low Voltage	V _{IL}	0	—	0.8	V
Output High Voltage	V _{OH}	2.4	—	V _{DD}	V
Output Low Voltage	V _{OL}	0	—	0.4	V
Logic Current	I _{DD}	—	—	1.5	mA
Operation Voltage For LCD	V _{DD} -V ₀	—	4.8	—	V