



The tolerance unless classified ± 0.3mm

MECHANICAL SPECIFICATION								
Overall Size	80.0 x 36.0	Module	H2 / H1					
View Area	60.5 x 18.5	W /O B/L	4.9 / 9.0					
Dot Size	0.40 x 0.45	EL B/L	4.9 / 9.0					
Dot Pitch	0.44 x 0.49	LED B/L	8.9 / 13.0					

PIN ASSIGNMENT					
Pin no.	Symbol	Function			
1	Vss	Power supply(GND)			
2	Vdd	Power supply(+)			
3	Vo	Contrast Adjust			
4	A0	Command / data input			
5	CS1	Chip select driver 1			
6	CS2	Chip select driver 2			
7	CL	External clock input			
8	E Enable singnal				
9 R/W Data read / write		Data read / write			
10-17	DB0-DB7	Data bus line			
18	RES	Reset			
19	А	Power supply for LED B/L (+)			
20	K	Power supply for LED B/L (—)			

ABSOLUTE MAXIMUM RATING										
Item	Symbol		Condition		Min.			Max.		Units
Supply for logic voltage	Vdd-Vs		25°C		-0.3			8.0		V
LCD driving supply voltage	Vdd-Vee		25°0	25°C -(0.3		16.5		V
Input voltage	Vin		25°C	- O		0.3		Vdd+0.3		V
ELECTRICAL CHARACTERISTICS										
Item	Symbol	I Condition		M	/lin. Typic		ical	l Max.		Units
Power supply voltage	Vdd-Vss	2	25°C		2.7		- 6		5	V
LCD operation voltage	Vop		Тор	N	W	N	W	N	W	V
		-2	20°C	_	8.6		9.1	-	9.6	V
			0°C	6.1	.0	6.4	_	6.7	_	V
		:	25°C		7.7	5.9	8.1	6.2	8.5	V
			50°C	5.1	/ _	5.4	_	5.7	_	V
			70°C	_	7.2	_	7.6	_	8	V
LCM current consumption (No B/L)	ldd	V	dd=5V	- 1		1,	.0 2.		.5	mA
Deallight accept and a second	LED/edge	VB/L=4.2V		_		_		_		mA
Backlight current consumption	LED/array	VB/L=4.2V		_		120				mΑ