RG 320240-G

OKAYA

OUTLINE DIMENSION & BLOCK DIAGRAM

320 x 240 Dots

BLOCK DIAGRAM
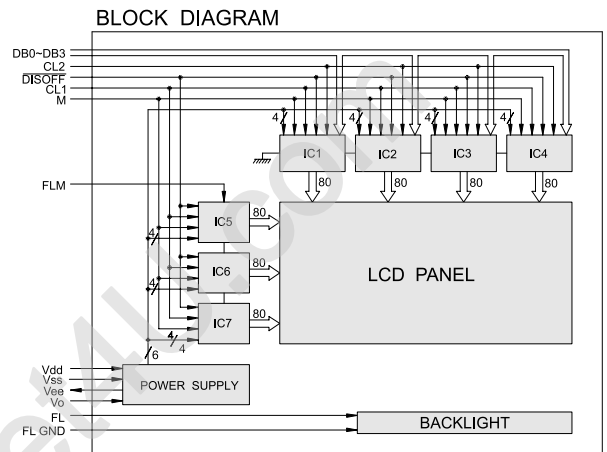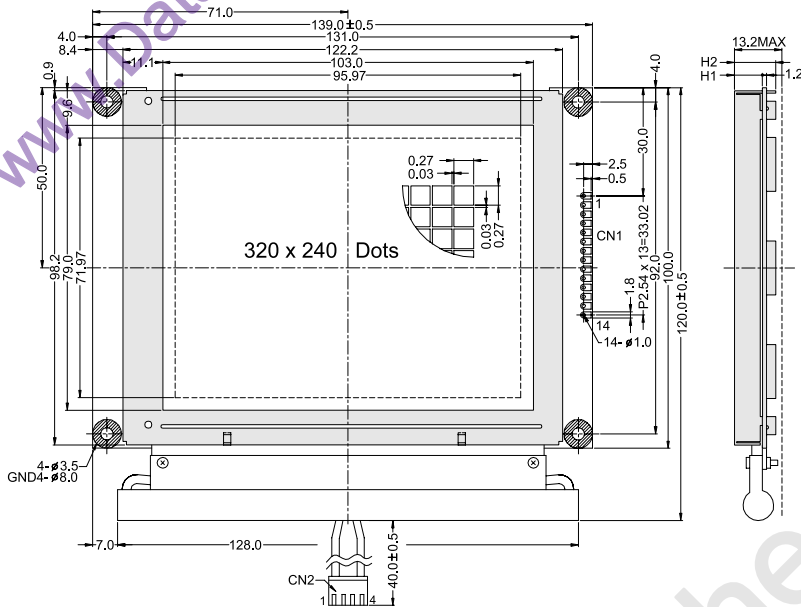
The tolerance unless classified ± 0.3mm

MECHANICAL SPECIFICATION

Overall Size	139.0 x 120.0	Module	H2 / H1
View Area	103.0 x 79.0	W /O B/L	– / –
Dot Size	0.27 x 0.27	EL B/L	– / –
Dot Pitch	0.30 x 0.30	CCFL B/L	7.8 / 11.5

PIN ASSIGNMENT

Pin no.	Symbol	Function
1	FLM	Shift direction select
2	CL1	Colck signal input
3	CL2	Colck signal input
4	M	Command / Data select
5	Vo	Contrast adjust
6	Vdd	Power supply (+)
7	Vss	Power supply (GND)
8	Vee	Negtive voltage output
9	DB0	Data bus line
10	DB1	Data bus line
11	DB2	Data bus line
12	DB3	Data bus line
13	DISPOFF	Clumn output control
14	N.C.	No connection

ABSOLUTE MAXIMUM RATING

Item	Symbol	Condition	Min.	Max.	Units
Supply for logic voltage	Vdd-Vss	25°C	-0.3	7.0	V
LCD driving supply voltage	Vdd-Vee	25°C	0	35.0	V
Input voltage	Vin	25°C	-0.3	Vdd+0.3	V

ELECTRICAL CHARACTERISTICS

Item	Symbol	Condition	Min.		Typical		Max.		Units
Power supply voltage	Vdd-Vss	25°C	4.5		–		5.5		V
			N	W	N	W	N	W	
		Top							V
		-20°C	–		–		–		V
LCD operation voltage	Vop	0°C	–		30		31.2		V
		25°C	22.8		24		25.2		V
		50°C	18.8		20		–		V
		70°C	–		–		–		V
LCM current consumption (No B/L)	Idd	Vdd=5V	–		3.5		7		mA
Backlight current consumption		LED/edge VB/L=4.2V	–		–		–		mA
		LED/array VB/L=4.2V	–		–		–		mA