

CU22042-Y1A

SIMPLIFIED DATASHEET

Features

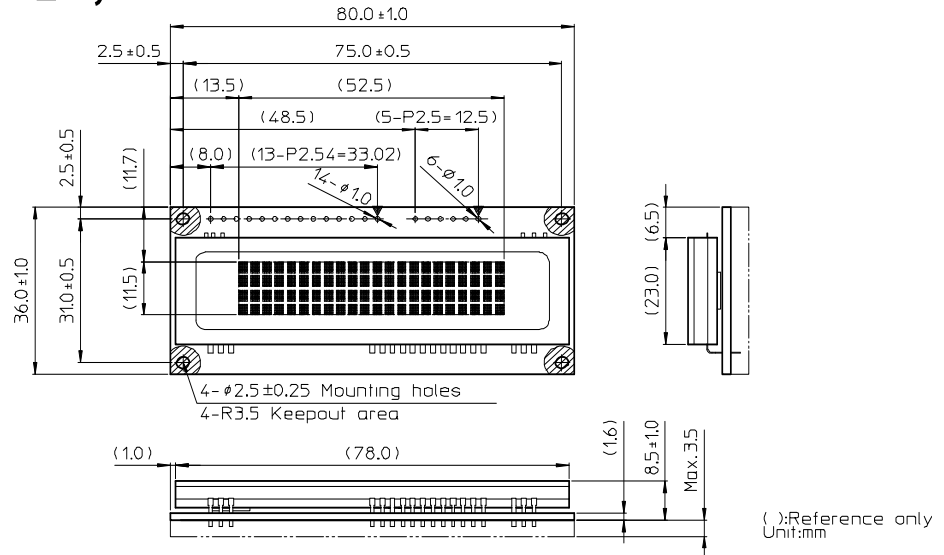
22 character x 4 line display.
 Display 2.75 times more information, in around the same compact size as CU-U series or LCD module.

Get full specification



Click here to go to request form.

Physical dimension



Specifications

Electrical Ratings

Parameter	Symbol	Min.	Typ.	Max.	Unit	Condition
Power supply Voltage	VCC	4.75	5.00	5.25	VDC	-

Electrical Characteristics

#1: Brightness 100% #2: Brightness 200%

Parameter	Symbol	Min.	Typ.	Max.	Unit	Condition
'L' Logic Input Current						
D0-D7, /WR, /RESET	IIL1	-	-	-0.15	mA	VIN=0V
SIN, SCK	IIL2	-	-	-0.55	mA	VIN=0V
'H' Logic Input Current						
D0-D7, SIN, SCK	IIH1	-	-	5.0	μA	VIN=5V
/WR, /RESET	IIH2	-	-	0.25	μA	VIN=5V
'L' Logic Input Voltage						
D0-D7, /WR, SIN, SCK	VIL1	0	-	0.2VCC	VDC	-
/RESET	VIL2	0	-	0.8	VDC	-
'H' Logic Input Voltage						
D0-D7, /WR, /RESET, SIN, SCK	VIH	0.8VCC	-	VCC	VDC	-
'L' Logic Output Voltage						
PBUSY	VOL1	-	-	0.1	VDC	IOL=50 μA
SBUSY	VOL2	-	-	0.45	VDC	IOL=200 μA
'H' Logic Output Voltage						
PBUSY	VOH1	VCC-0.1	-	-	VDC	IOH=-50 μA
SBUSY	VOH2	VCC-0.5	-	VCC	VDC	IOH=-200 μA
Power Supply Current #1	ICC1-1	-	180	230	mADC	Display ON
Power Supply Current #1	ICC2-1	-	170	210	mADC	Display OFF
Power Supply Current #2	ICC1-2	-	220	270	mADC	Display ON
Power Supply Current #2	ICC2-2	-	190	240	mADC	Display OFF
Power Supply Current #3	ICC3	-	18	25	mADC	Disp. Pwr OFF
Power Consumption #1		-	0.9	1.15	W	Display ON
Power Consumption #2		-	1.1	1.35	W	Display ON

Optical Characteristics

#1: Brightness 100% #2: Brightness 200%

Parameter	Value
Luminance	350 cd/m ² Min.
	#1 1000 cd/m ² Typ.
	#2 2000 cd/m ² Typ.
Color of illumination	Green (Blue-Green)

Environmental Conditions

Parameter	Value
Operating Temperature	-40 ~ +85 degrees celsius
Storage Temperature	-40 ~ +85 degrees celsius
Operating Humidity	20 ~ 80% R.H. (non-condensing)
Storage Humidity	20 ~ 80% R.H. (non-condensing)
Vibration (Non operation)	10-55-10Hz, all amplitude 1mm, 30 minutes, X-Y-Z
Shock (Non operation)	392m/s ² (40G) 9ms X-Y-Z, 3 times each direction

Physical Specifications

Parameter	Value	Notes
Number of Char.	88 (22 characters x 4 lines)	*ANK(Alphabet, Numeric, Kana)
Built-in Fonts	5 x 8 ANK, International font	
Display Area	52.48 x 11.5 mm (X x Y)	
Character Size	1.66 x 2.348 mm (X x Y)	
Character Pitch	2.42 mm	
Line pitch	3.05 mm	
Weight	About 31 g	

Interface

Parallel (CMOS), Sync/Asynchronous Serial (CMOS)

Pin Assignment (Parallel)

Pin No	Signal	Pin No	Signal
1	GND	8	D1
2	Vcc	9	D2
3	PBUSY	10	D3
4	/RESET	11	D4
5	/WR	12	D5
6	NC	13	D6
7	D0(LSB)	14	D7(MSB)

(Serial)

Pin No	Signal	Pin No	Signal	Baud Rate Setting
1	Vcc	1	Vcc	9600bps
2	SIN	2	SIN	19200bps
3	GND	3	GND	38400bps*
4	SBUSY	4	SBUSY	115200bps
5	SCK	5	NC	(*:Default setting)
6	/RESET	6	/RESET	

Functions

Parameter	Value
Highlight Function	
Font Magnification	
Horizontal scroll mode	
Blink ON/OFF	
Power save mode	
Screen saver	
Cursor, Underline ON/OFF	
User Font function	
etc.	



Leaflet contents, and specifications and external appearance of products, may change without notice.

Please confirm product details in the specification.

(C)Copyright NORITAKE ITRON CORP.