

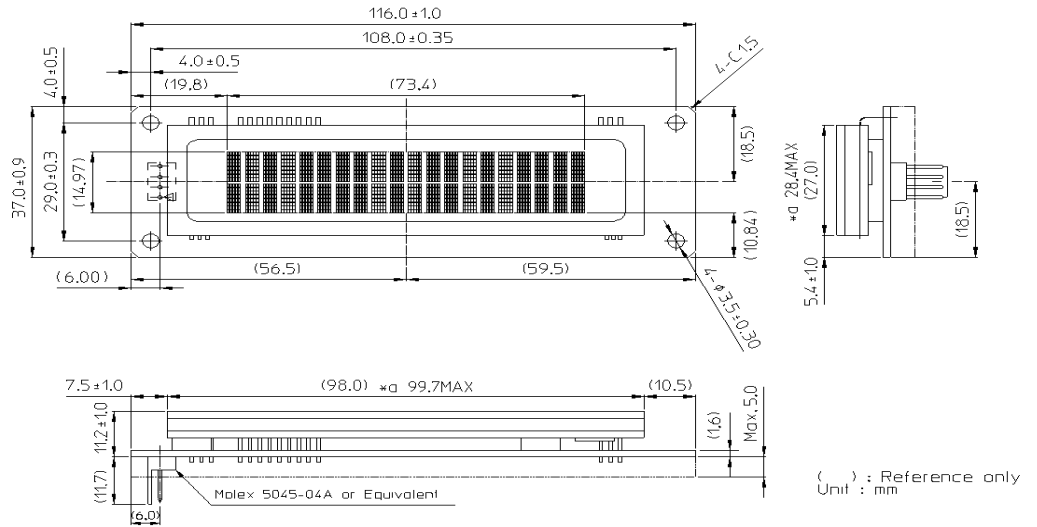
# CU20027-UX2J

## SIMPLIFIED DATASHEET

### ■ Features

20 character x 2 line display LCD compatible module.  
 Brightness up to 3.5 times higher (3500cd/m<sup>2</sup>) for improved visibility outdoors.

### ■ Physical dimension



**Get full specification**

[Click here](#) to go to request form.

### Specifications

#### ■ Electrical Ratings

Parameter	Symbol	Min.	Typ.	Max.	Unit	Condition
Logic Input Voltage	VIH	2.0	—	VCC	VDC	VCC-VSS= 5.0 V
DATA, CLOCK	VIL	VSS	—	0.8		
Power supply Voltage	VCC-VSS	4.75	5.00	5.25	VDC	—

About

#### ■ Electrical Characteristics

Parameter	Symbol	Min.	Typ.	Max.	Unit	Condition
Power Supply Current 1	ICC1	—	440	570	mA	Display ON
Power Supply Current 2	ICC2	—	320	420	mA	Display OFF
Power Consumption		—	2.2	2.85	W	Display ON

#### ■ Optical Characteristics

Parameter	
Luminance	1750cd/m <sup>2</sup> Min. 3500 cd/m <sup>2</sup> Typ.
Color of illumination	Green (Blue-Green)

#### ■ Environmental Conditions

Parameter	
Operating Temperature	-40 ~ +85 degrees celsius
Storage Temperature	-50 ~ +85 degrees celsius
Operating Humidity	20 ~ 80% R.H. (non-condensing)
Vibration (Non operation)	10-55-10Hz, all amplitude 1mm, 30 minutes, X-Y-Z
Shock (Non operation)	539m/s <sup>2</sup> (55G) 10ms

#### ■ Physical Specifications

Parameter	
Number of char.	40 (20 x 2)
Matrix format	5 x 7 ANK, International
Display area	73.4 × 14.97 mm (X×Y)
Character size	2.72 × 7.19 mm (X×Y)
Weight	About 48 g

#### ■ Interface

Synchronous Serial (CMOS)

(Synchronous Serial)

Pin No	Signal
1	VCC
2	SCLK
3	SDATA
4	GND

#### ■ Functions

Parameter	
Command compatible with HD44780 LCD controller(4bit mode)	
Display ON/OFF	
Brightness Control	
Cursor ON/OFF	
User definable character font	
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.

