

# CU20029-TE200K

SIMPLIFIED DATASHEET

## ■ Features

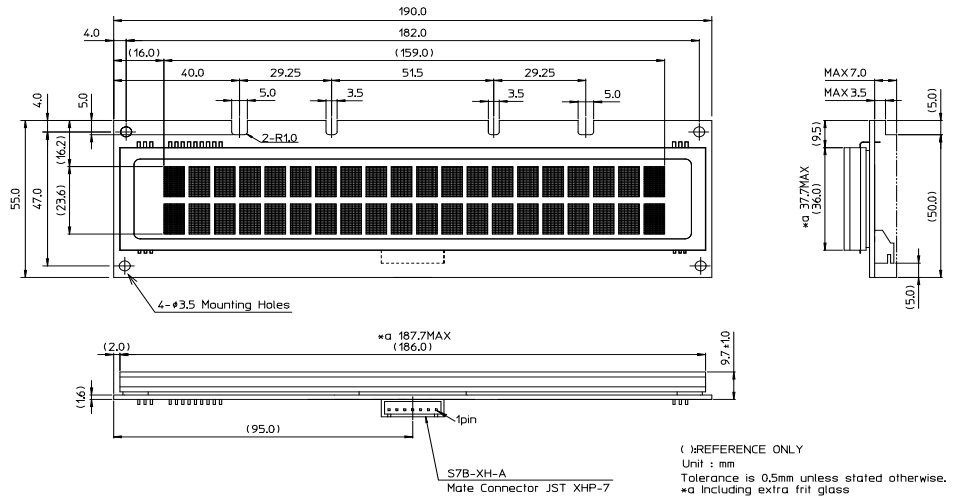
20 character x 2 line  
Japanese/Chinese/Korean  
character capable  
character module.  
Built-in Japanese, Chinese,  
and Korean fonts give  
clear, legible display. Very  
good for applications that  
mainly display characters,  
and don't need graphic  
display.

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## ■ Outer dimension



## Specifications

### ■ Electrical Ratings

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

### ■ Electrical Characteristics

Parameter	Symbol	Min.	Typ.	Max.	Unit	Condition
Input Voltage (RXD,DSR)						
H	VIH1	3	-	15	VDC	-
L	VIL1	-15	-	-3	VDC	-
Output Voltage (TXD,DTR)						
H	VOH1	5	-	-	VDC	RL=3kΩ
L	VOL1	-	-	-5	VDC	
Signal Input Impedance RXD,DSR	RIN	3	-	7.0	kΩ	-
Input Voltage (TEST)						
H	VIH2	2.64	-	3.3	VDC	-
L	VIL2	0	-	0.66	VDC	-
Power Supply Current						
Icc1	-	625	800	mADC	All dots ON	
Icc2	-	510	660	mADC	All dots OFF	
Icc3	-	21	30	mADC	Disp. Power OFF	

### ■ Optical Characteristics

Parameter	Value
Luminance	350 cd/m <sup>2</sup> Min. (1000 cd/m <sup>2</sup> 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-operating)	392m/s <sup>2</sup> (40G) 9ms X-Y-Z, 3 times each direction

### ■ Physical Specifications

Parameter	Value
Number of Char.	40 (20 characters x 2 lines)
Built-in Fonts	ANK, International Font, Japanese, Korean, Simplified Chinese and Traditional Chinese
Character Format	15 x 16 dot matrix
Display Area	159.0 x 23.59 mm (X x Y)
Character Size	6.53 x 10.52 mm (X x Y)
Character Pitch	8.03 x 13.07 mm (X x Y)
Weight	About 118 g

### ■ Interface

Asynchronous Serial (RS232)

### ■ Pin Assignment

Pin No	Signal	Baud Rate Setting
1	RXD	9600bps
2	DTR	19200bps
3	DSR	38400bps*
4	TXD	115200bps
5	TEST	(*:factory default)
6	VCC	
7	GND	

### ■ Functions

Parameter	Value
2-byte Character	
Command Control	
FROM User Font Control	
FROM User Table Control	
International Font	
etc.	



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Please confirm product details in the specification.

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