Noritake *itron*

CU20029-TE200K
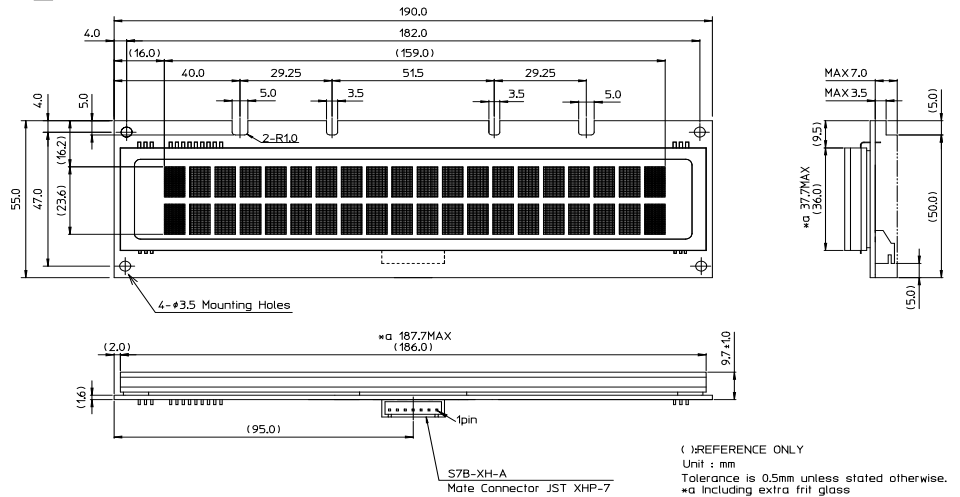
SIMPLIFIED DATASHEET

■ 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.

Get full specification

Click here to go to request form.

■ Outer dimension

( )REFERENCE ONLY
Unit : mm
Tolerance is 0.5mm unless stated otherwise.
*a Including extra frit glass

S7B-XH-A
Mate Connector JST XHP-7

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	
Luminance	350 cd/m^2 Min. (1000 cd/m^2 Typ.)
Color of illumination	Green (Blue-Green)

■ Environmental Conditions

Parameter	
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^2 (40G) 9ms X-Y-Z, 3 times each direction

■ Physical Specifications

Parameter	*ANK(Alphabet, Numeric, Kana)
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
2-byte Character
Command Control
FROM User Font Control
FROM User Table Control
International Font
etc.