

# HTM4004B Series

## Display Feature

Item	Value
Structure	COB With Metal Frame
LCD Display Mode	DFSTN, Negative, Transflective, 6H
Driving Method	1/16 duty, 1/5 bias
Backlight	White LED Backlight
Control IC	S6A0069 or Equivalent



## Mechanical Data (unit : mm)

Item	Value
Outline	190.0 x 54.0 x 14.9Max.
Viewing Area	147.0 x 29.5
Active Area	140.47 x 23.18
Dot Pitch	0.57 x 0.62
Dot Size	0.5 x 0.55

## Absolute Maximum

Item	MIN.	MAX.
Operating Voltage(V)	0	6.0
Operating Temperature(°C)	-20	+70
Storage Temperature(°C)	-30	+80

## Electrical Characteristics

Item	Symbol	MIN.	TYP.	MAX.
Operating Voltage(V)	V <sub>DD</sub>	4.7	5.0	5.3
Input High Voltage(V)	V <sub>IH</sub>	0.7V <sub>DD</sub>	-	V <sub>DD</sub>
Input Low Voltage(V)	V <sub>IL</sub>	V <sub>SS</sub>	-	0.5
Operating Current(mA)	I <sub>DD</sub>	-	1.0	3.0
Forward Voltage(V)	V <sub>f</sub> BL	-	5.0	-
Forward Current(mA)	I <sub>f</sub> BL	-	60	80

★ Various LCD Type Available

★ Various Backlight Color Available

## Terminal Functions

No	Pin Name	Descriptions
1	VSS	Negative Power Supply, (0V)
2	VDD	Positive Power Supply
3	V0	LCD Contrast Reference Supply
4	RS	Register Select
5	R/W	Read/Write Control Bus
6	NC	No Connection
7	E1	Data Enable
8	E2	Data Enable
9	DB0	Data Bus Line
:	:	
16	DB7	
17	BLA	Backlight Positive Supply
18	BLK	Backlight Negative Supply

## Outline Drawing

