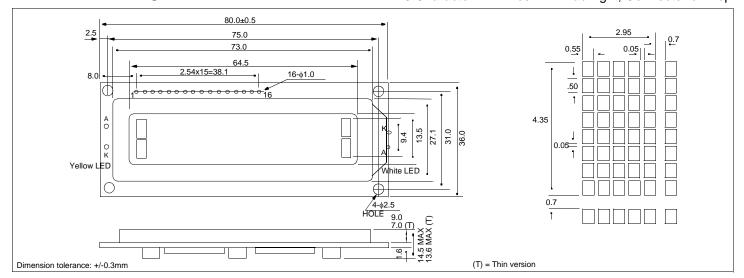
HDM16216L-5

Dimensional Drawing

16 Character x 2 Lines LED Backlight, Connector on Top



Features

Physical Data

 Module Size
 80.0W x 36.0H x 14.5T mm

 Thin version
 80.0W x 36.0H x 13.0T mm

 Viewing Area Size
 64.5W x 13.5H mm

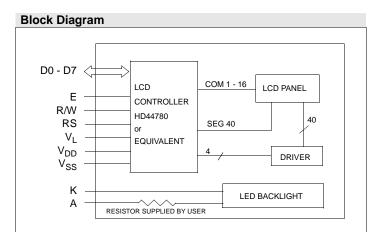
 Weight
 35g

Absolute Maximum Ratings

<u> </u>							
PARAMETER	SYMBOL	MIN	MAX	UNIT			
SUPPLY VOLTAGE	V_{DD} - V_{SS}	0	7.0	V			
SUPPLY VOLTAGE FOR LCD	V_{DD} - V_{L}	0	13.5	٧			
OPERATING TEMPERATURE	T _{OP}	0	50	°C			
STORAGE TEMPERATURE	T _{STG}	-20	70	°C			
LED FORWARD CURRENT (White) (Yellow)	I _F	-	25	mA			
		-	120				
LED REVERSE VOLTAGE (White) (Yellow)	V_R	-	5	٧			
		-	8				
LED POWER CONSUMPTION (White)	P_{D}	-	80	mW			
(Yellow)		-	540				

Electrical Characteristics (VDD=5.0±0.25V 25°C)

PARAMETER	SYM	CONDITION	MIN	TYP	MAX	UNIT
POWER SUPPLY CURRENT	I _{DD}	V _{DD} =5.0V	-	1.0	2.2	mA
POWER SUPPLY FOR LCD	V_{DD} - V_{L}	T _A =25°C	4.3	-	4.7	V
LED FORWARD Vtg (White)	V _F	I _F =20mA	3.0	3.3	3.6	.,
(Yellow)		$I_F = 75 \text{mA}$	3.9	4.1	4.5	V
BRIGHTNESS (White) (Yellow)	L	I _F =20mA	60	75	-	
		I _F =75mA	30	50	-	cd/m2
DRIVE METHOD	1/16 Duty					



Pin Connections

PIN NO.	SYMBOL	LEVEL	FUNCTION			
1	V _{SS}	-	OV			
2	V_{DD}	-	5V	Power supply		
3	V _L	-	-	11,7		
4	RS	H/L	H: Data input L: Instruction data input			
5	R/W	H/L	H: Data read L: Data write			
6	E	H,H→L	Enable signal			
7	D0	H/L				
8	D1	H/L				
9	D2	H/L				
10	D3	H/L	Data bus			
11	D4	H/L				
12	D5	H/L				
13	D6	H/L				
14	D7	H/L	_			
15	Α	-	Anode for LED backlight			
16	K	-	Cathode for LED backlight			