

**■ Features**

- High luminous LEDs
- Long lifetime operation
- IC compatible
- Low power dissipation
- Black surface & white segment or dot

**■ Applications**

- Counting device
- Clock

**■ Absolute Maximum Rating (Ta=25°C)**

Item	Symbol	Value	Unit
DC Forward Current	I <sub>F</sub>	20	mA
Pulse Forward Current*	I <sub>FP</sub>	100	mA
Reverse Voltage	V <sub>R</sub>	5	V
Power Dissipation	P <sub>t</sub>	66	mW
Operating Temperature	T <sub>opr</sub>	-30 ~ +70	°C
Storage Temperature	T <sub>stg</sub>	-40 ~ +85	°C
Lead Soldering Temperature(1.6mm from seating plane)	T <sub>sol</sub>	260°C/5sec	°C

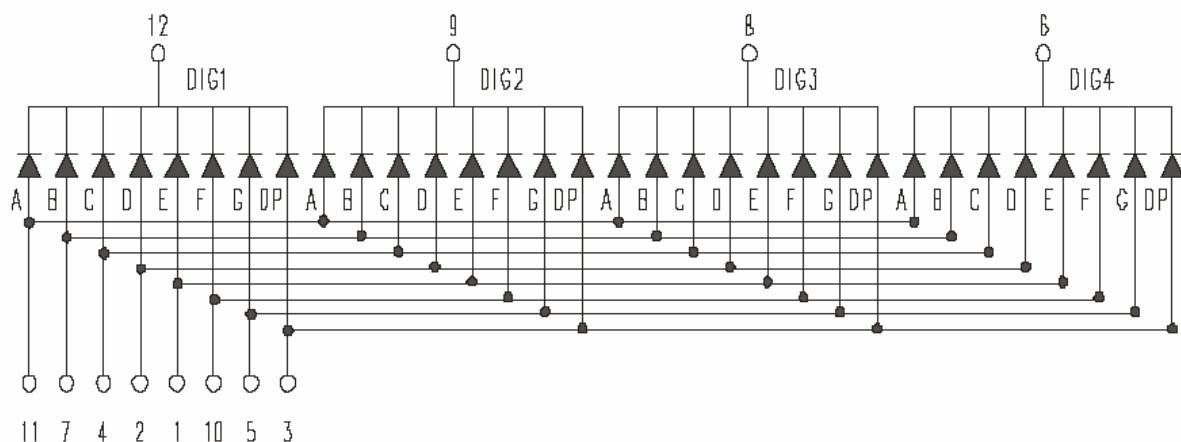
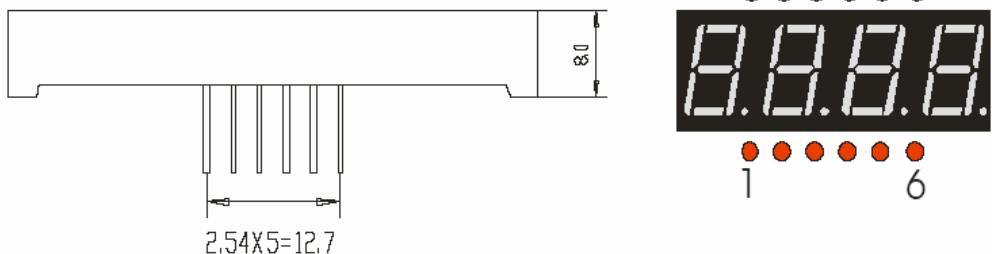
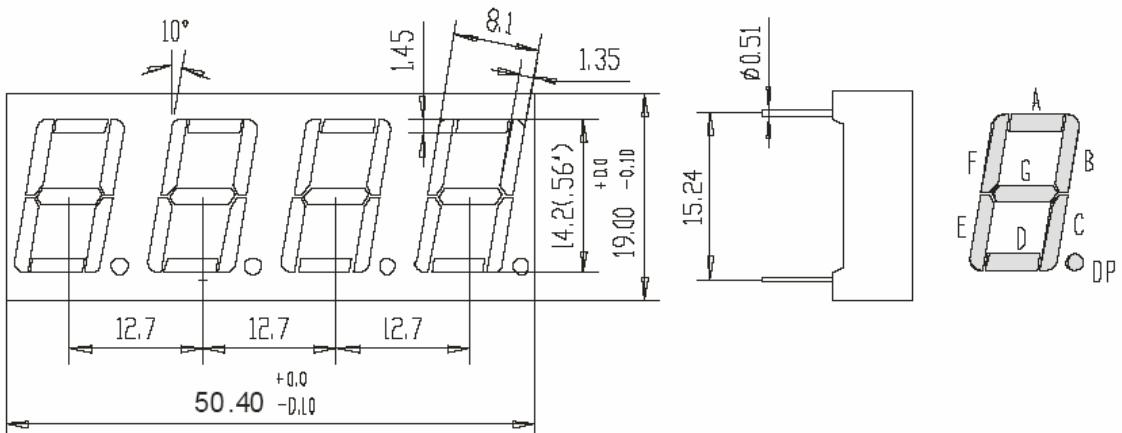
\*Pulse width Max.10ms Duty ratio max 1/10

**■ Electrical -Optical Characteristics (Ta=25°C)**

Item	Symbol	Condition	Min.	Typ.	Max.	Unit
DC Forward Voltage	V <sub>F</sub>	I <sub>F</sub> =20mA	-	3.3	4.0	V
DC Reverse Current	I <sub>R</sub>	V <sub>R</sub> =5V	-	-	20	µA
Domi. Wavelength*	λ <sub>D</sub>	I <sub>F</sub> =20mA	-	517	-	nm
Luminous Intensity*	I <sub>V</sub>	I <sub>F</sub> =20mA	-	200	-	mcd

\*1 Tolerance of dominant wavelength is +1nm

\*2 Tolerance of luminous intensity is +15%

**■ Package dimensions and pin function**


Note:

1,Unit : mm( Tolerance: $\pm 0.25\text{mm}$  unless otherwise noted)

2, The slope angle of any PIN may be $\pm 5.0^\circ$ Max