

**OCULAR  
ENTERPRISES**

No. 38, #03-05, Toh Tuck Road, Singapore 596716...

Tel: 65-64677421

Fax: 65-6465 2831

E-mail: [sales@ocular.com.sg](mailto:sales@ocular.com.sg)

**SPECIFICATION FOR  
APPROVAL**

**DESCRIPTION : LED DISPLAY**

**PART NO : SW40406B**

**CUSTOMER : \_\_\_\_\_**

**OFFER DATE : \_\_\_\_\_**

**Drafted: \_\_\_\_\_ Checked : \_\_\_\_\_**

**Approved: \_\_\_\_\_**

**SPECIFICATION FOR APPROVAL**

Manufacturer:	
Mode No:	<b>SW40406B</b>
SPEC.No:	

Customer:	
Part.Name:	
Part.No:	

This specification is received:
---------------------------------

Drafted	Checked by	Approved by

# OCULAR ENTERPRISES

## 1. Features:

- \*Excellent characters appearance.
- \*Low power requirement.
- \*High luminous intensity,high reliability and long life.
- \*The humid face is >95%when the wire soak in tin under 245°C for 3s and all the
- \*White color
- parameter chang is <5% for 10s.

## 2. Absolute Maxing Rating

(Unless specified,The Ambient temperature Ta=25°C)

Item	Symbol	Rating		Unit
		MIN	MAX	
Forward Current	$I_F$		15	mA/chip
Peak Forward Current	$I_{FP}$		20	mA/chip
Reverse Voltage	$V_R$		5	V/chip
Operating Temperature	$T_{opr}$	-20	85	°C
Storage Tempetature	$T_{stg}$	-20	85	°C
Power Dissipation	$P_d$		480	mW

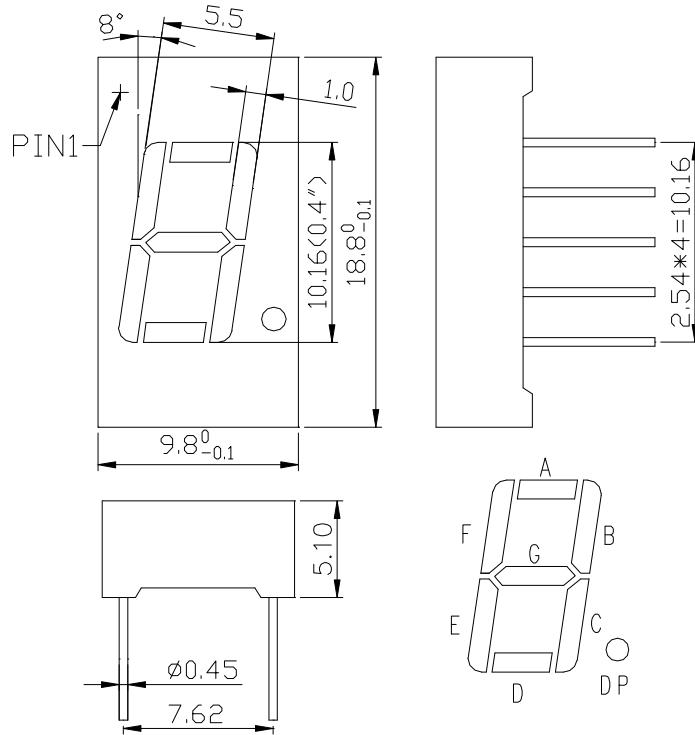
For operation above 25°C,the  $P_d$  and  $I_F$  must be derated,the Current derating is  $-2 \times 0.86 \text{ mA}/^\circ\text{C}$  for DC drive and  $-2 \times 0.86 \text{ mA}/^\circ\text{C}$  for Pulse drive,the Power dissipation is  $-2 \times 0.75 \text{ mW}/^\circ\text{C}$ .The product working current must not more than the 60% of the  $I_F$  or  $I_{FP}$  according to the working temperature.

## 3. Electro-Optical Characteristics

(Unless specified,The Ambient temperature Ta=25°C)

Item	Symbol	Condition	Min	Typ	Max	Unit
Forward Voltage	$V_F$	$I_F=10 \text{ mA}/\text{chip}$	2.8	3.1	3.4	V/chip
Reverse Current	$I_R$	$V_R=5 \text{ V}/\text{Chip}$	—	—	10	$\mu \text{ A}/\text{chip}$
Luminous Intensity	$I_v$	$I_F=10 \text{ mA}/\text{chip}$	8	—	—	mcd/chip
Peak wavelength	$\lambda_p$	$I_F=10 \text{ mA}/\text{chip}$	—		—	nm

4. Outline dimensions



NOTICE:All dimensions are in millimeters(inches)tolerance are  $\pm 0.25\text{mm}(0.010)$ unless otherwise noted

5. Circuit diagram

