Product Name: 0.56“ LED Display	Emitted Color： Red	Filler： Resin
Product No: VP3DCCD	Polarity：Common Cathode	Face Color: Black
Product Code:	**All materials are RoHS compliant!**	
Valcon 3 Digit LED Display Cathode		

SPECIFICATION

Date:	**Issuer:**

APPROVED BY	
Customer:	Signature:
Model No:	
Part No:	Date:
Result ：	

PLEASE RETURN BY A COPY

（DESIGN）: _____ **（CHECKED）:** _____ **（APPROVED）:** _____

Product Name: 0.56” LED Display **Emitted Colour:Red** **Filler: Resin**

Product Number: VP3DCCD **Polarity: Common Cathode** **Face Colour: Black**

RoHS Compliant: Yes

（Parameter）	（Symbol）	（Maximum	（Unit）
（Power Dissipation）	Pd	80	mW
（Peak Forward Current）	Ifp	90	mA
（Continuous Forward Current）	Ifm	20	mA
(Reverse Voltage）	V_R	5	V
（Operating Temperature Range）	Topr	-20 → +85	℃
（Storage Temperature Range）	Tstg	-20 → +85	℃
（Static Voltage）	Var		V

*（Lead Soldering Temperature）：260℃ for 3 seconds

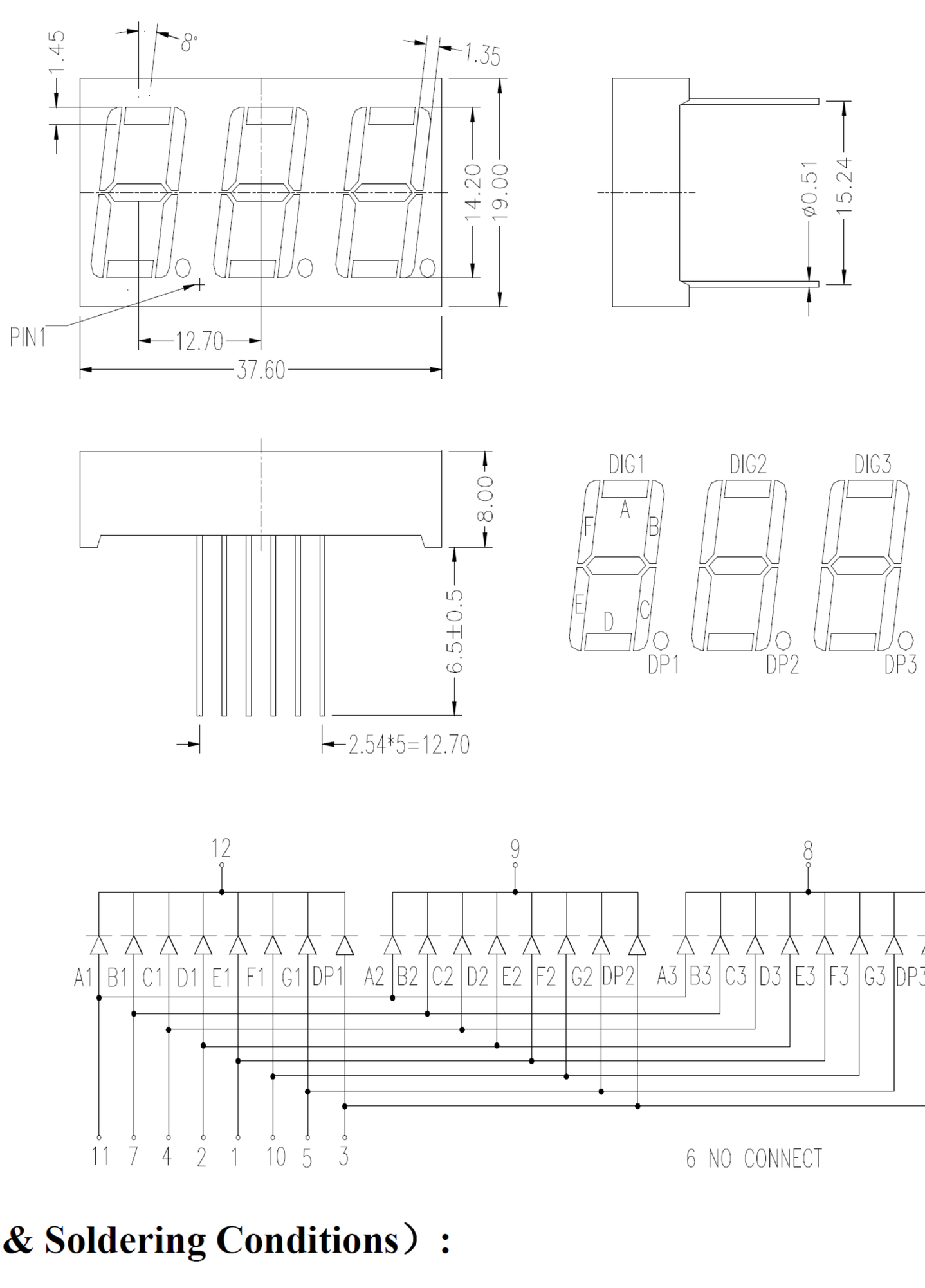
* 25℃时，Ifm,、Ifp、Pd；-0.36mA/℃，-0.86mA/℃，-0.75mW/℃。
The Ifm Ifp & Pd must be decreased once the temperature is over 25 ℃;the Current decrease rate is: –0.36mA/℃ (Direct Current)； -0.86mA/℃ (Pulse drive) the power dissipation is -0.75mW/℃

2.（Optical-Electrical Characteristic）（1）Red)

（Parameter）	（Test	（Symbol）	Min	Type	Max	（Unit）
（Luminous Intensity）	I_F=20mA	Iv	80		100	Mcd
（Forward Voltage）	I_F=20mA	V_F	1.7	2.0	2.5	V
（REVERSE Current）	V_R = 5V	I_R	-	-	50	uA
（Wavelength）	I_F=20mA	λD	620		625	nm
（View Angle）	I_F=20mA	$2\theta_{1/2}$	-	60	-	Deg.

3.（Mechanical Dimension and Circuit Diagram）:

Unspecified Tolerances is: X±0.2

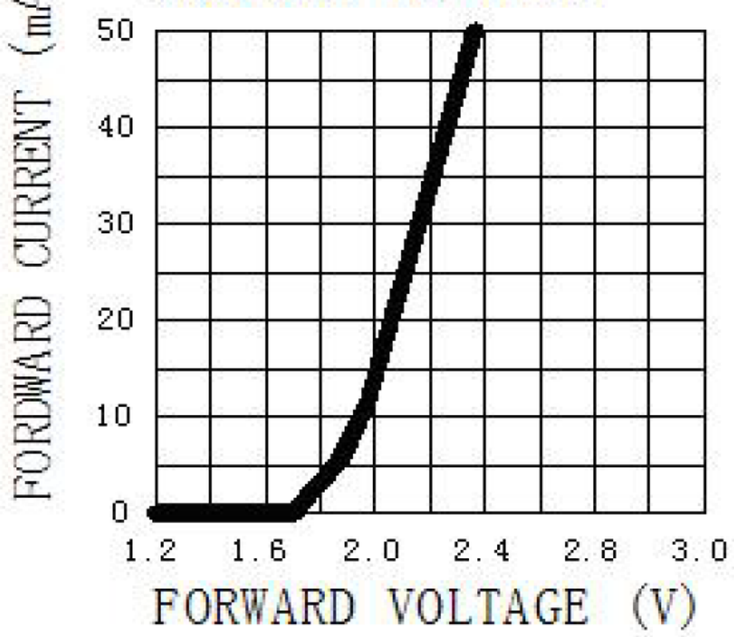


4.（Storage & Soldering Conditions）:

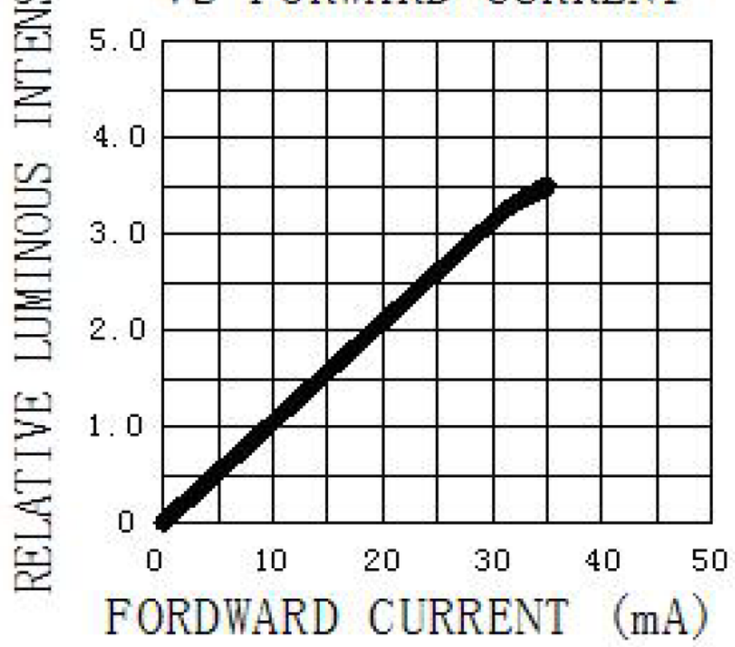
- **Store with care. Storing the units in bad condition • will decrease the adhesive power between the reflector and film.**
- **Recommend storage condition : temperature (25℃ ± 10℃) 25℃±10℃ and humidity (65℃ CRH±20℃ CRH) 65℃CRH±20℃CRH**
- **The Soldering Temperature is 260±5℃ and Soldering • 260℃±5℃，3，time should be less than 3 seconds, and soldering iron 30W。 power should be less than 30W.**
- **The soldering point should be at least 1.6mm away from • 1.6mm。**

5. Typical Electro optical Characteristics Curve:

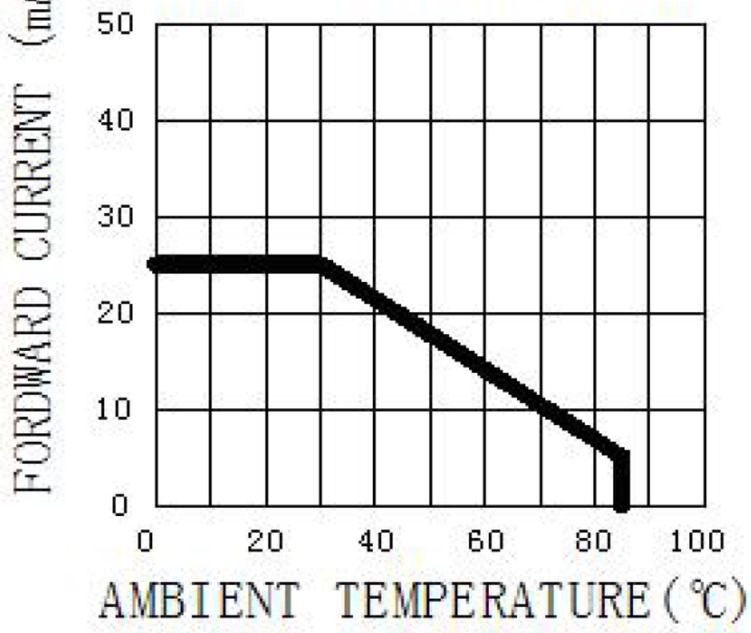
FORDWARD CURRENT Vs FORWARD VOLTAGE



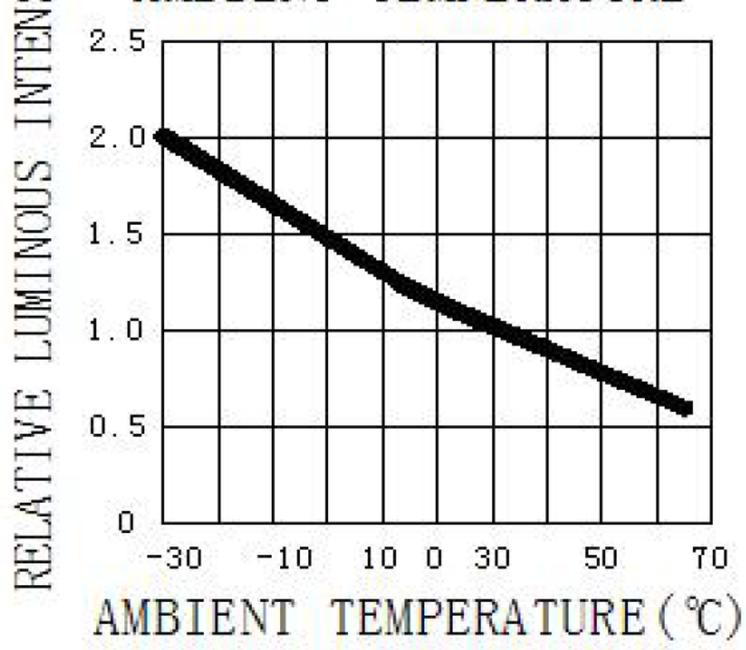
LUMINOUS INTENSITY Vs FORWARD CURRENT



FORDWARD CURRENT Vs AMBIENT TEMPERATURE



LUMINOUS INTENSITY Vs AMBIENT TEMPERATURE



LUMINOUS INTENSITY Vs WAVELENGTH