

DISPLAY Elektronik GmbH

DATA SHEET

BACKLIGHT

DE LB-1804-G

Product Specification

Version: 0

01.03.2018

GENERAL SPECIFICATION

MODEL NO. :

DE LB-1804-G

CUSTOMER P/N

Version No.	Change Description	Date
0	Original Version	01.03.2018

PREPARED BY: PS

DATE: 01.03.2018

APPROVED BY: MH

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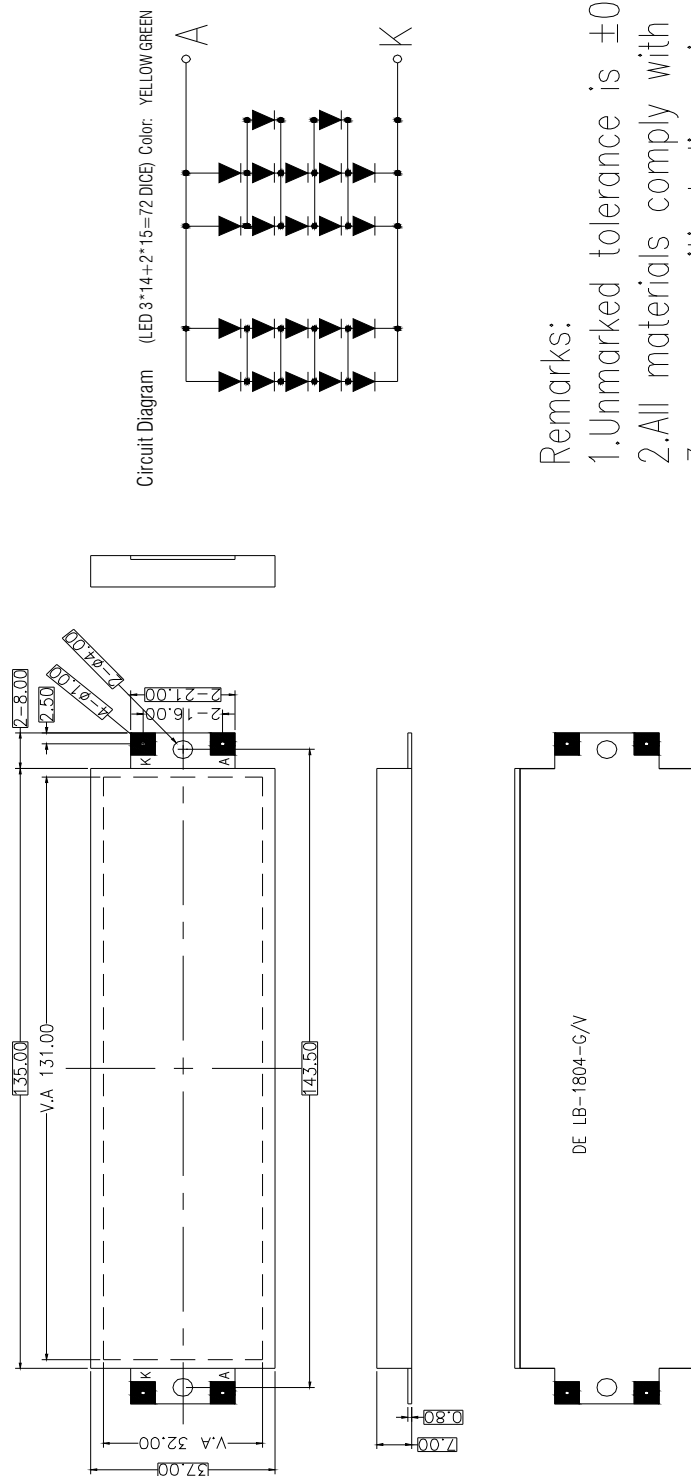
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1. FEATURES

Backlight Color: Yellow-green

RoHS conformed

2. EXTERNAL DIMENSION (unit: mm)



Remarks:
 1. Unmarked tolerance is ± 0.2
 2. All materials comply with RoHS
 3. []: critical dimension.

3. ELECTRICAL/OPTICAL SPECIFICATIONS

Electrical-Optical Characteristics (Ta=25°C)

Item	Symbol	min.	typ.	max.	Unit	Condition
Forward Voltage	Vf		11.0	11.8	V	If= 140 mA
Forward Current	If		140	--	mA	
Power Disipation	Pd		1.6		W	If= 140 mA
Reverse Voltage	VR		25		V	
Reverse Current	IR		1.4		mA	
Luminous Intensity	IV		180		cd/m ²	If= 140 mA
Luminous Uniform	△IV	75		-	%	If= 140 mA
Emission Wavelength	λP	569		575	nm	If=10mA Ta=25°C Each Chip

- Operating Temperature: -30~+80°C
- Storage Temperature: -30~+80°C
- The LED lifetime : 30000h

4. ACCEPT QUALITY LEVEL (AQL).

4.1. AQL standard value: Critical defect =0, Major defect=0.65; Minor defect =2.5.

5. RELIABILITY TEST

Test Item	Test Condition
High Temperature Storage	+80°C x 96HR
Low Temperature Storage	-30°C x 96HR
High Temperature Operation	+80°C x 96HR
Low Temperature Operation	-30°C x 96HR
High Temperature, High Humidity	60°C x 90%RH x 4 Weeks
Thermal Shock	-20°C x 30min → 25°C x 10s → +80°C x 30min x 5 Cycles
Vibration Test	Frequency x Swing x Time 40Hz x 4mm x 4hrs
Drop Test	Height x no. of drop 1.0m x 6 drops