

**DISPLAY Elektronik GmbH**

**DATA SHEET**

**BACKLIGHT**

**DE LP-506-Y**

*Product Specification*

*Version: 1*

17.11.2016

# GENERAL SPECIFICATION

---

MODEL NO. :

**DE LP-506-Y**

CUSTOMER P/N

Version No.	Change Description	Date
0	Original Version	29.09.2016
1	Change Brightness	17.11.2016

PREPARED BY: ZX

DATE: 17.11.2016

APPROVED BY: MH

DATE: 17.11.2016

**CONTENTS**

**1. FEATURES .....2**

**2. EXTERNAL DIMENSION (UNIT: MM).....2**

**3. ELECTRICAL/OPTICAL SPECIFICATIONS.....3**

**4. ACCEPT QUALITY LEVEL (AQL). ..... FEHLER! TEXTMARKE NICHT DEFINIERT.**

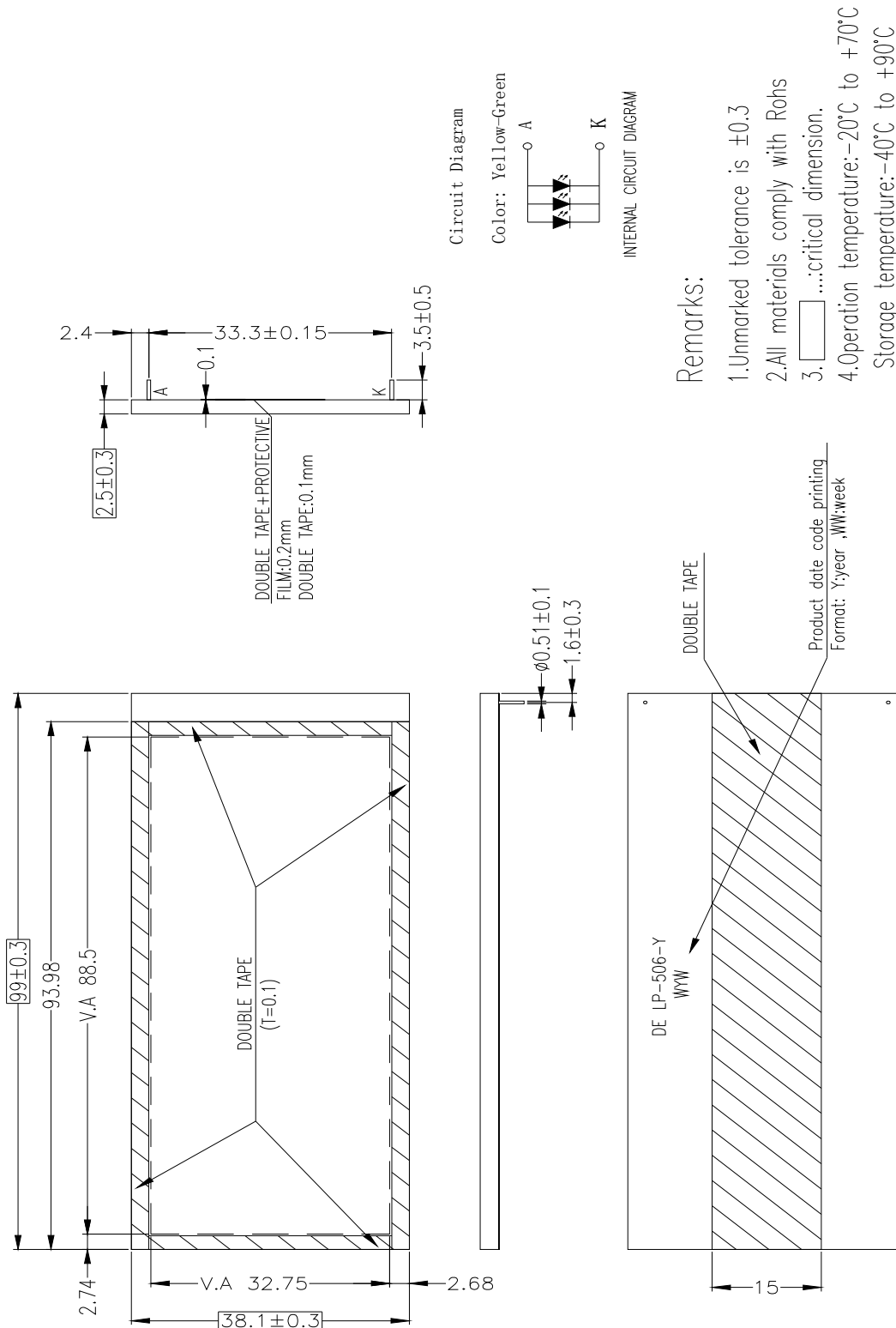
**5. RELIABILITY TEST..... FEHLER! TEXTMARKE NICHT DEFINIERT.**

**1. FEATURES**

Backlight Color: Yellow-Green

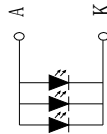
RoHS: Conformed

**2. EXTERNAL DIMENSION (unit: mm)**



Circuit Diagram

Color: Yellow-Green



INTERNAL CIRCUIT DIAGRAM

Remarks:

1. Unmarked tolerance is  $\pm 0.3$
2. All materials comply with RoHS
3.  ...critical dimension.
4. Operation temperature:  $-20^{\circ}\text{C}$  to  $+70^{\circ}\text{C}$   
Storage temperature:  $-40^{\circ}\text{C}$  to  $+90^{\circ}\text{C}$

**3. ELECTRICAL/OPTICAL SPECIFICATIONS**

Electronics/Optical Specifications:

Ta=25°C. Unless specified, The Ambient temperature Ta=25°C

Item	Symbol	min.	typ.	max.	Unit	Condition
Forward Current	Iv	1.8	2.1	2.5	v	If=20*3 mA
Power Dissipation	Pd	-	-	150	mW	If=20*3 mA
Luminous Uniformity	ΔLv	70			%	MIN/MAX*100%
Luminance	Lv	15	25	-	cd/m <sup>2</sup>	If=20*3mA T=25°C
Dominant Wave Length	λD	565	570	575	nm	
Lifetime	50000(brightness reduce half)				Hours	

**4. ACCEPT QUALITY LEVEL (AQL).**

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

4.2. Inspection Plan: ANSI Z-1.4, Normal Inspection Level II, Single Sampling Plan.

**5. RELIABILITY TEST**

Test Item	Test Condition
High Temperature Storage	+90°C x 96h
Low temperature Storage	-40°C x 96h
High Temperature Operation	+70°C x 96h
Low Temperature Operation	-20°C x 96h
High Temperature, High Humidity	60°C x 90%RH x 4 Weeks
Thermal Shock	-20°C x 30min → 25°C x 10s → +70°C x 30min x 5 Cycles
Vibration Test	Frequency x Swing x Time 40Hz x 4mm x 4h
Drop Test	Height x Number of drop 1.0m x 6 drops

## X-ON Electronics

Largest Supplier of Electrical and Electronic Components

*Click to view similar products for [TFT Displays & Accessories](#) category:*

*Click to view products by [Display Elektronik](#) manufacturer:*

Other Similar products are found below :

[OAI-80038AA-2013-A](#) [HDA430T-3G1H](#) [EA CARREDIPTFT02](#) [NL6448BC20-21D](#) [NB7W-KBA04](#) [NB-ATT01](#) [NB5Q-ATT01](#) [NB5Q-KBA04](#) [NB-CN001](#) [NL12880BC20-05](#) [NL8060BC26-35C](#) [NL8060BC26-35F](#) [TCG104SVLQAPNN-AN20](#) [OAI-80038AA-2008-A](#) [315-U004B15300](#) [UMSH-8596MD-34T \(REV D\)](#) [98-0003-3490-8](#) [1044278](#) [1029309](#) [1060549](#) [DE 127-TU-30/7,5](#) [DE 128-TU-20/7,5](#) [EP-LK007TFTPCAP](#) [FR7.0A00](#) [RC2002A-TIG-CSX](#) [NL6448BC2021C](#) [TX17D01VM2EAB](#) [TX14D23VM5BAA](#)  
[TCG121WXLRXVNNANX35](#) [EIC-LCD-1080P](#) [T272480C07VR01](#) [1060632](#) [TCG070WVLPAAANN-AN50](#) [TCG035QVLPDANN-GN50](#)  
[1060630](#) [RFE430V-AIW-DNG](#) [T-55619GD065J-LW-ABN](#) [NHD-1.8-128160EF-SSXN-FT](#) [TCG104SVLPEANN-AN30](#) [NL6448BC33-70](#)  
[NL192108BC18-06F](#) [NLB150XG02L-01](#) [NL6448BC20-30D](#) [NL10276BC16-06](#) [NL192108AC10-01D](#) [NL6448AC18-08F](#) [NL6448BC20-30F](#)  
[NL12880BC20-05BD](#) [NL12880BC20-05D](#) [NL8060BC26-35BA](#)