

DISPLAY Elektronik GmbH

DATA SHEET

BACKLIGHT

DE LP-504-A

Product Specification

Version: 0

26.09.2016

CONTENTS

1. FEATURES2

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

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

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

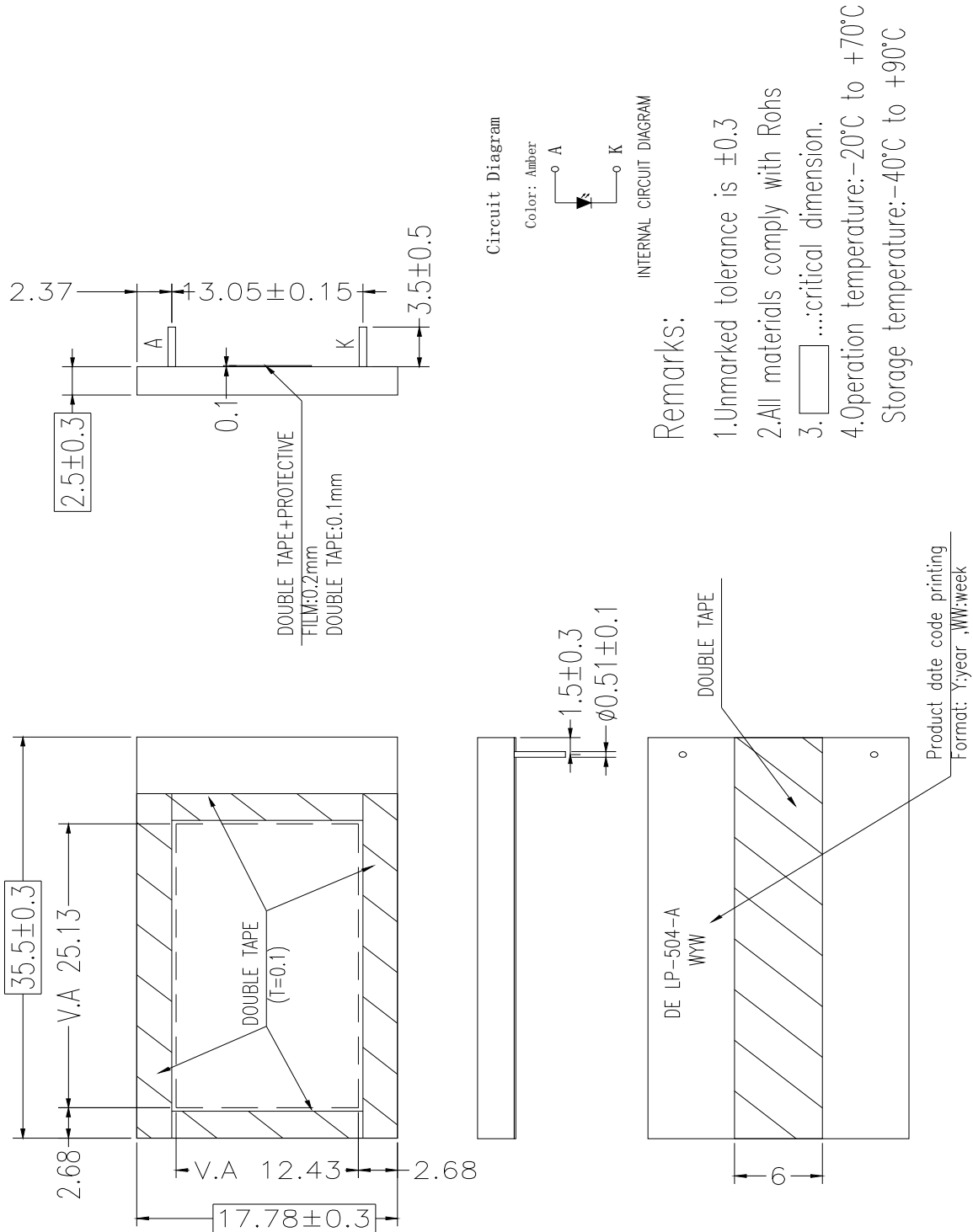
5. RELIABILITY TEST..... FEHLER! TEXTMARKE NICHT DEFINIERT.

1. FEATURES

Backlight Color: Amber

RoHS: Conformed

2. EXTERNAL DIMENSION (unit: mm)



3. ELECTRICAL/OPTICAL SPECIFICATIONS

ELECTRICAL–OPTICAL CHARACTERISTICS

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

Item	Symbol	min.	typ.	max.	Unit	Condition
Forward Current	I _v	1.8	2.1	2.4	v	I _f =20 mA
Power Dissipation	P _d	–	–	48	mW	I _f =20 mA
Luminous Uniformity	DL _v	70			%	MIN/MAX*100%
Luminance	L _v	150	280	–	cd/m ²	I _f =20 mA T=25°C
Dominant Wave Length	λ _D	585	–	595	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