



**THE DATASHEET OF
ESD-03913DR-A**



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DATA SHEET

ESL NO.. : ESD-03913DR-A

CUS NO. :

REV : A / 0

Producer: Eden

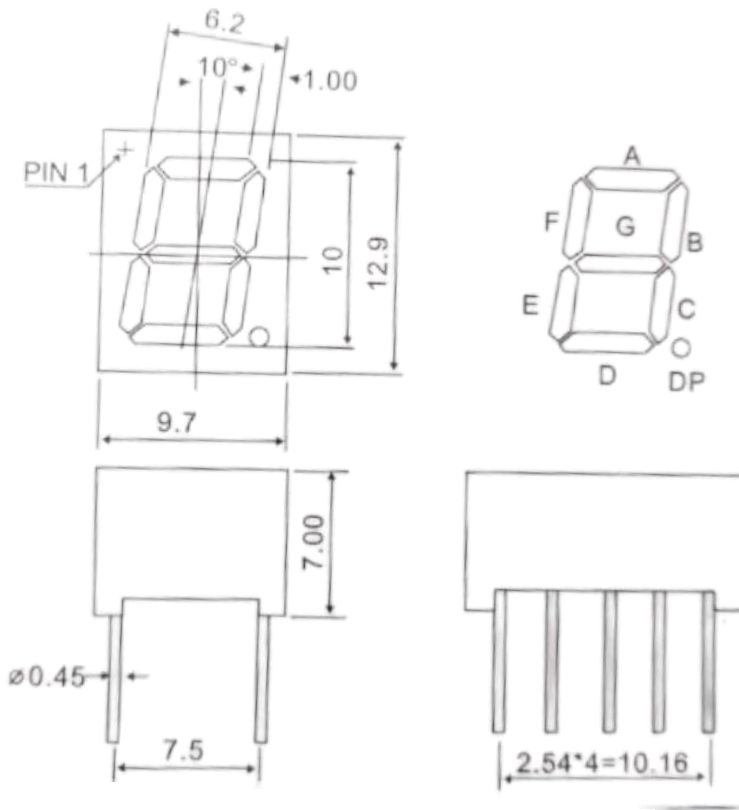
Auditor: _____

Approver: Jack

CUSTOMER'S APPROVAL : _____

DCC : _____

■ PACKAGE DIMENSIONS



Note:

All dimensions are in millimeters (inches) tolerance are 0.25mm(0.010) unless otherwise noted

0.39" Inch LED DISPLAY

ESD-03913DR-A

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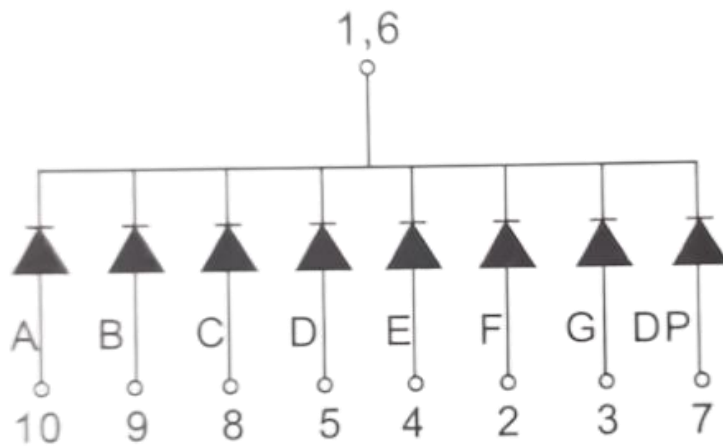
■ FEATURES:

- 0.39" Inch LED DISPLAY
- High intensity and reliability
- High quality, Low power requirement
- IC compatible , Easy assembly

■ DESCRIPTION:

- Black face, White Epoxy
- Common Cathode Display
- Red Color
- RoHS Compliant

■ INTERNAL CIRCUIT DIAGRAM



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■ ABSOLUTE MAXIMUM RATINGS AT Ta=25°C:

PARAMETER	Max.	UNIT
Power Dissipation Per Segment	52	mW
Peak Forward Current Per Segment (1/10duty cycle 0.1ms pulse width)	100	mA
Average Forward Current Per Segment	20	mA
Derating Linear From 25°C Per Segment	0.33	mA/°C
Reverse Voltage Per Segment	5	V
Operating Temperature Range	-40°C to + 105°C	
Storage Temperature Range	-40°C to + 105°C	

Lead Soldering Temperature 260°C at 1.6mm From Body for 3 seconds

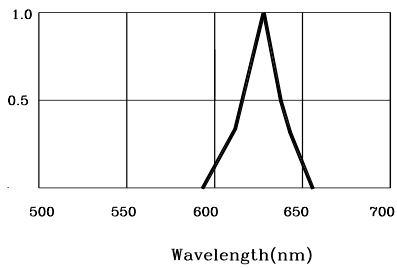
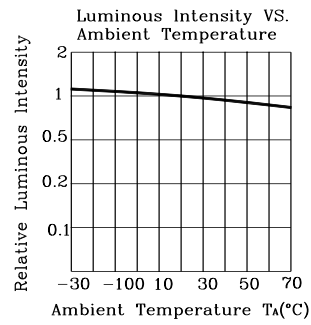
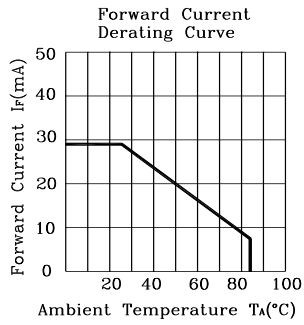
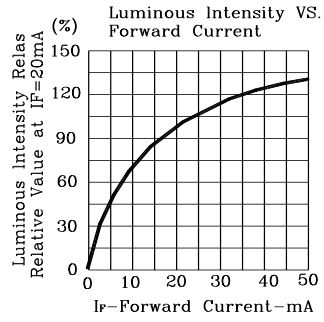
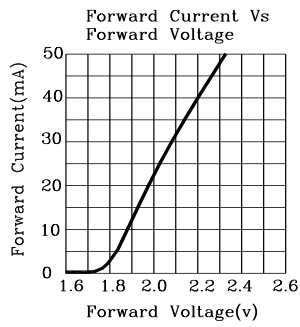
■ ELECTRICAL/OPTICAL CHARACTERISTICS AT Ta=25°C:

PARAMETER	SYMBOL	MIN.	TYP.	MAX.	UNIT	Test condition
Luminous Intensity Per Segment	I_v	10		30	mcd	$I_F=10mA$
Dominant Wavelength	λ_d		640		nm	$I_F=20mA$
Forward Voltage Per Dice	V_F	--	2.0	2.6	V	$I_F=20mA$
Reverse Current Per Dice	I_R	--	--	50	μA	$V_R=5V$

0.39" Inch LED DISPLAY

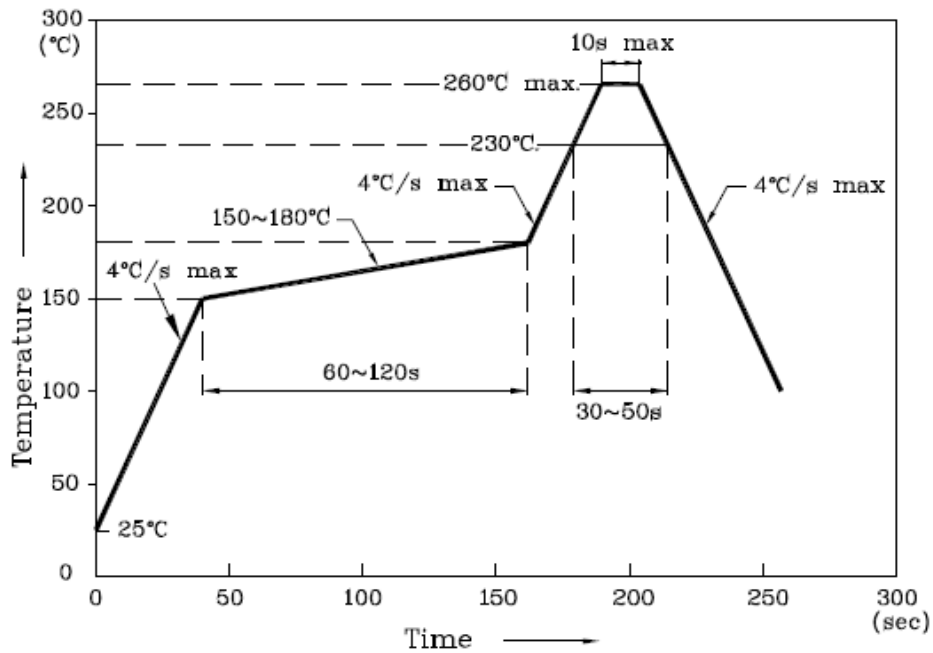
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■ Recommended SMT condition:

Reflow Soldering Profile For Lead-free SMT Process.





Notes:

1. Maximum soldering temperature should not exceed 260°C.
2. Recommended reflow temperature: 145°C-260°C.
3. Do not put stress to the epoxy resin during high temperatures conditions.

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