



**THE DATASHEET OF
ESD-SM310561D7A**



Jiangsu Everstar Electronics Co., Ltd.

Address:No.6, Xiangshan Rd, Tianmuhu Town,Liyang City,Jiangsu,213300

TEL: +86-519-87557772

FAX: +86-519-87557773

Http: www.everstarelect.com

DATA SHEET

ESL NO.. : ESD-SM310561D7A

CUS NO. :

REV : A / 0

Producer: Eden

Auditor: _____

Approver: Jack

CUSTOMER'S APPROVAL : _____

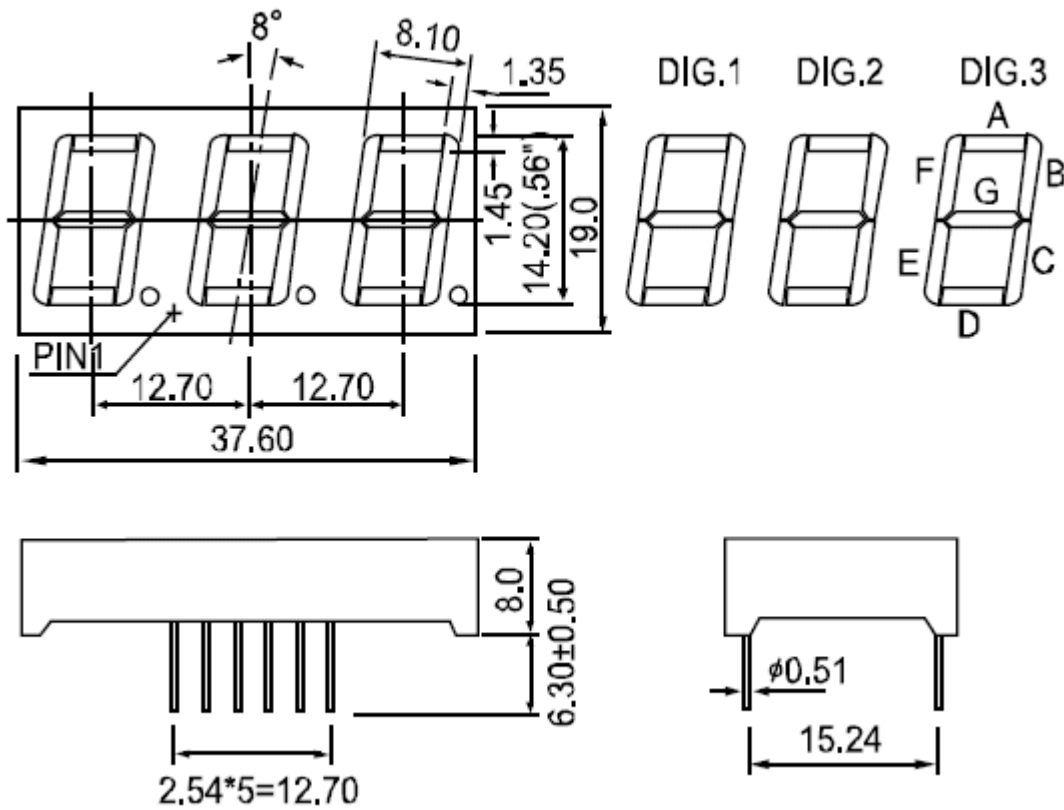
DCC : _____

LED DISPLAY

ESD-SM310561D7A

REV:A / 0

■ PACKAGE DIMENSIONS



Note:

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

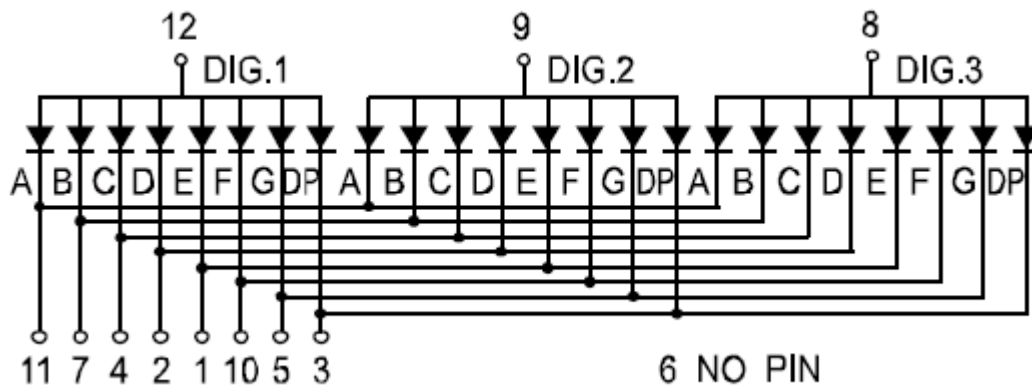
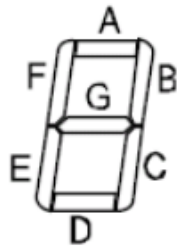
■ FEATURES:

- 0.56 Inch Three Digits Display
- High intensity and reliability
- High quality, Low power requirement
- IC compatible , Easy assembly

■ DESCRIPTION:

- Gray face, White fields
- Common Anode
- Red Color(AIGaInP)
- RoHS Compliant

■ INTERNAL CIRCUIT DIAGRAM



LED DISPLAY

ESD-SM310561D7A

REV:A / 0

■ ABSOLUTE MAXIMUM RATINGS AT Ta=25°C:

PARAMETER	Max.	UNIT
Power Dissipation Per Segment	50	mW
Peak Forward Current Per Segment (1/10duty cycle 0.1ms pulse width)	60	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

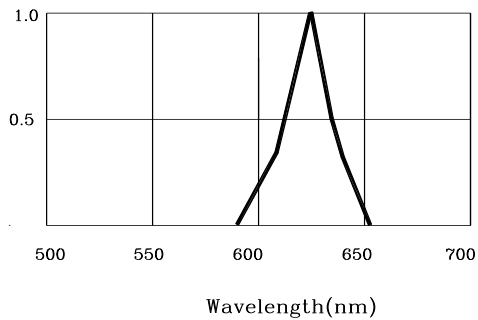
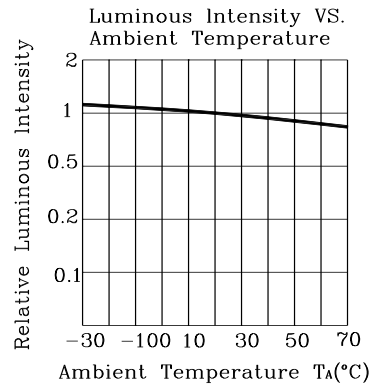
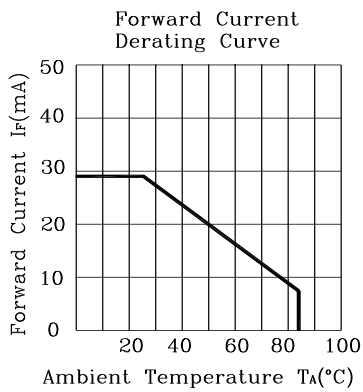
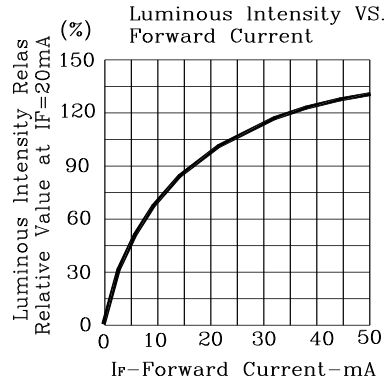
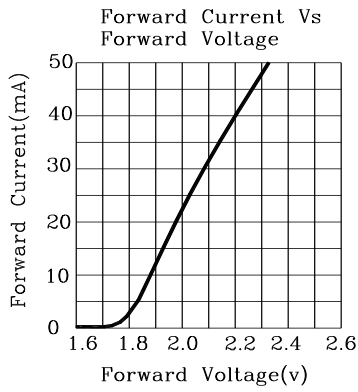
■ ELECTRICAL/OPTICAL CHARACTERISTICS AT Ta=25°C:

PARAMETER	SYMBOL	MIN.	TYP.	MAX.	UNIT	Test condition
Luminous Intensity Per Segment	I_v	23		28	mcd	$I_F=20mA$
Dominant Wavelength	λ_d		625		nm	$I_F=20mA$
Forward Voltage Per Dice	V_F	--	1.8	2.3	V	$I_F=20mA$
Reverse Current Per Dice	I_R	--	--	20	μA	$V_R=5V$

LED DISPLAY

ESD-SM310561D7A

REV:A / 0



LED DISPLAY

ESD-SM310561D7A

REV:A / 0

■ Recommended SMT condition:

Looking for pricing, stock, or lifecycle information?

Click below to explore more details on WIN SOURCE:

- [View ESD-SM310561D7A on WIN SOURCE](#)
- [Shanghai Everstar Electronics Co., Ltd. Information](#)

Optimize Your Supply Chain with WIN SOURCE Solutions

- ✓ Global Sourcing Solution
- ✓ Obsolete Management
- ✓ Cost Control Management
- ✓ Shortage Management
- ✓ Alternative Solution
- ✓ Excess Inventory Management