



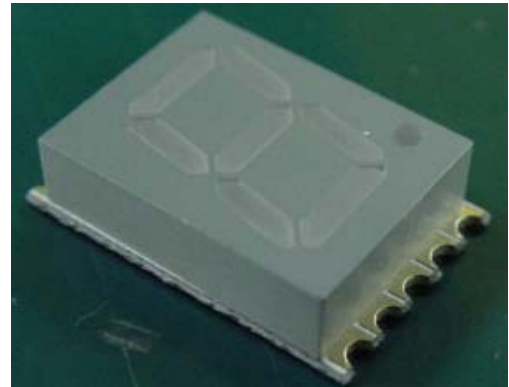
Technical Data Sheet

0.39" Single Digit SMD Displays

ELSS-406SURWA/S530-A2/S290

Features

- Packaged in tape and reel for SMT manufacturing.
- Design flexibility (common cathode or anode).
- Categorized for luminous intensity.
- The thickness is thinner than traditional display.



Descriptions

- The SMD type is much smaller than traditional type components, thus enabling smaller board size, higher packing density, reduced storage space and finally smaller equipment to be obtained.

Applications

- Suitable for indoor use.
- Audio system.
- Set top box.
- Game machine.
- Channel indicator of TV.

Device Selection Guide

Chip		Face Color
Material	Emitted Color	
AlGaInP	Hyper Red	Gray

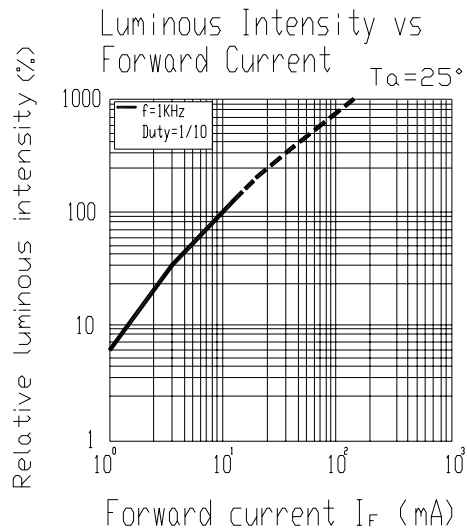
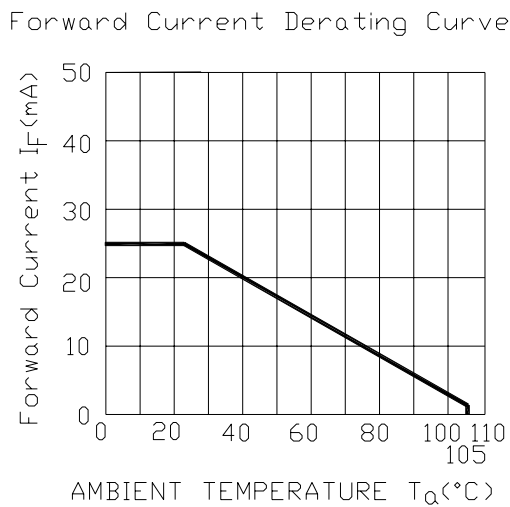
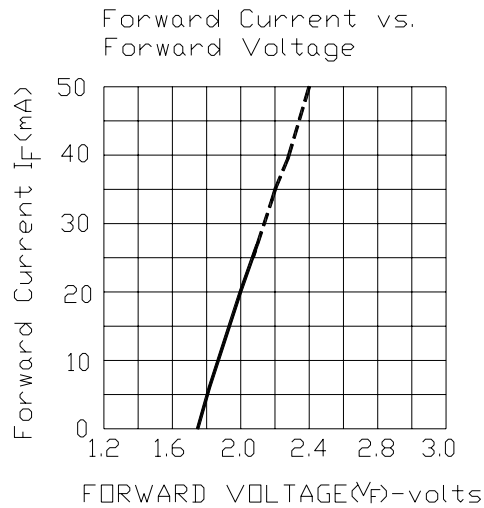
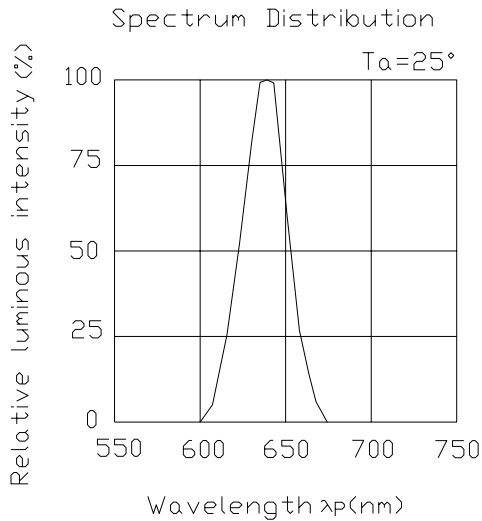
Electro-Optical Characteristics (Ta=25°C)

Parameter		Symbol	Condition	Min.	Typ.	Max.	Units
Forward Voltage		V_F	$I_F=20mA$	--	2.0	2.4	V
Reverse Current		I_R	$V_R=5V$	--	--	10	μA
Luminous Intensity	Per segment	I_V	$I_F=2mA$	----	1.14	--	mcd
			$I_F=10mA$	2.8	7.22		
	Per decimal point		$I_F=2mA$	----	0.34	--	
			$I_F=10mA$	-----	2.17		
Peak Wavelength		λ_p	$I_F=20mA$	--	632	--	nm
Dominant Wavelength		λ_d	$I_F=20mA$	--	624	--	nm
Spectrum Radiation Bandwidth		$\Delta \lambda$	$I_F=20mA$	--	20	--	nm

Chromaticity Coordinates Specifications for Bin Grading (Unit: mcd)

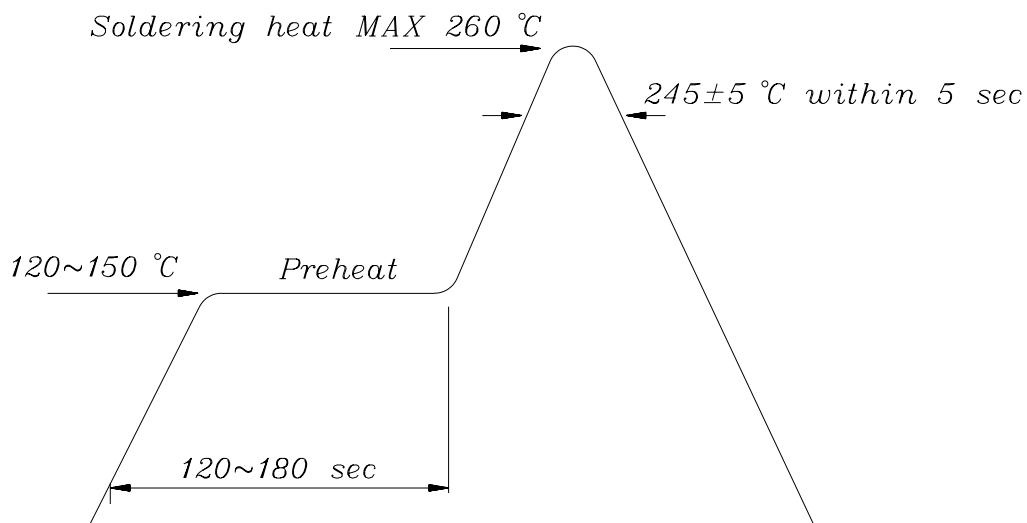
Rank	Min.	Max.	Rank	Min.	Max.
M	2.8	4.5	Q	7.8	12.5
N	4.0	6.4	R	11.0	17.6
P	5.6	8.9	--	--	--

Typical Electro-Optical Characteristics Curves



■ Soldering heat reliability (DIP) :

Please refer to the following figure :

**■ Soldering Iron :**

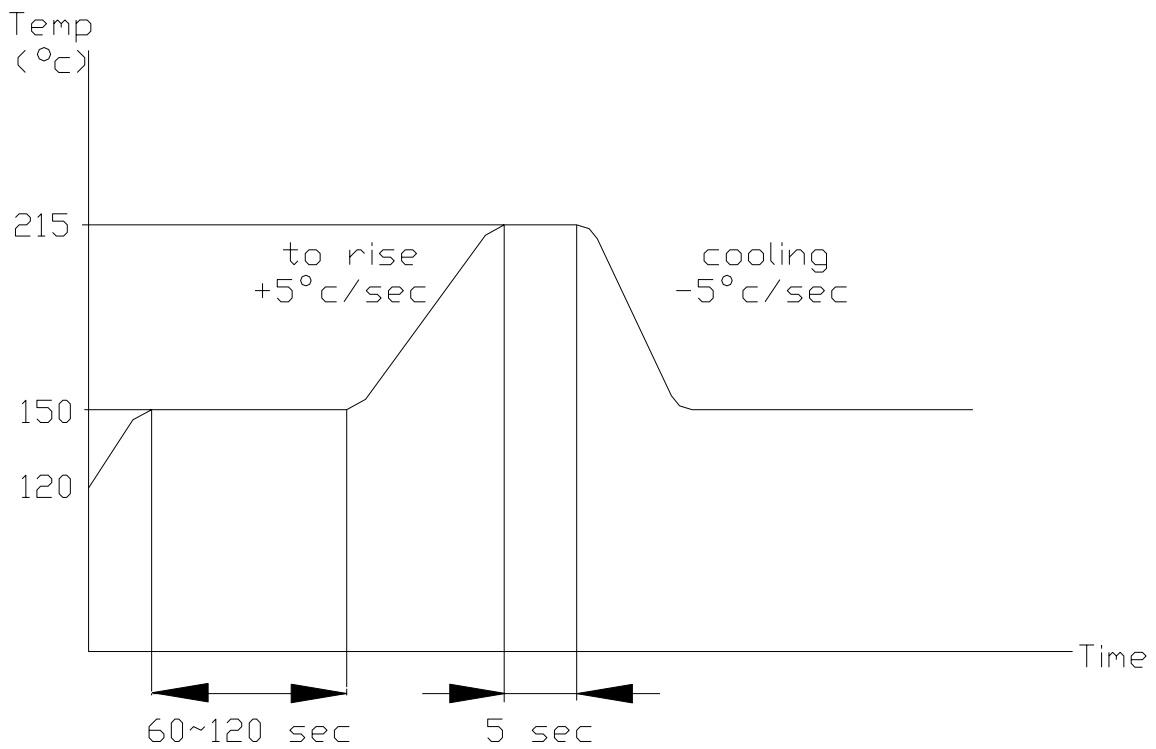
Basic spec is ≤ 5 sec when 260°C. If temperature is higher, time should be shorter (+10°C → -1sec). Power dissipation of iron should be smaller than 15 W , and temperature should be controllable. Surface temperature of the device should be under 230 °C .

■ Rework :

1. Customer must finish rework within 5 sec under 260°C .
2. The head of iron can not touch copper foil.

■ Reflow Temp. / Time :

Reflow Temp./Time:



X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for [Seeed Studio Accessories](#) category:

Click to view products by [Seeed Studio](#) manufacturer:

Other Similar products are found below :

[101990565](#) [101990564](#) [101020003](#) [101020004](#) [101020025](#) [101020028](#) [101020038](#) [101020058](#) [101020472](#) [101020580](#) [101990029](#)
[101990058](#) [101990059](#) [101990061](#) [101990064](#) [101990065](#) [102020143](#) [102070002](#) [102070004](#) [102070007](#) [102070008](#) [102070011](#)
[102991175](#) [102991176](#) [103010002](#) [103020005](#) [103020007](#) [103020008](#) [103020010](#) [103020012](#) [103020030](#) [103020133](#) [103020135](#)
[103020136](#) [103020137](#) [103020252](#) [103020272](#) [103030005](#) [103030009](#) [103030075](#) [103030275](#) [103030276](#) [103030335](#) [103100063](#)
[103990183](#) [103990445](#) [104020006](#) [104020048](#) [104020108](#) [104020109](#)