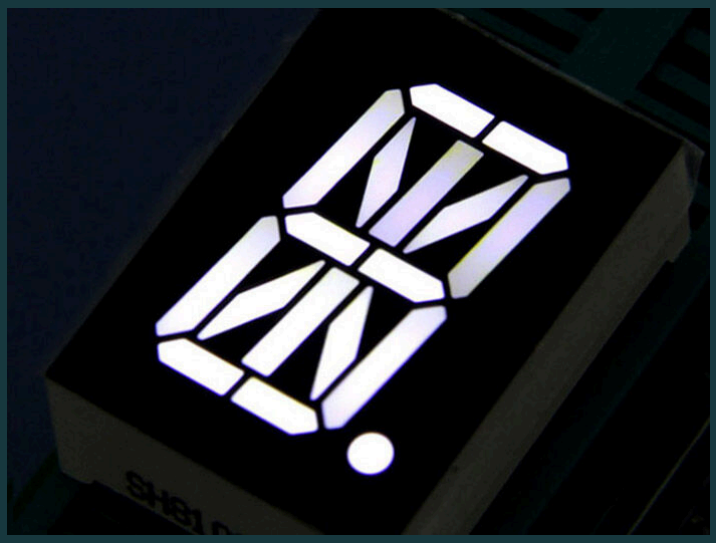
seeed studio

INDUSTRIAL PRODUCT DATASHEET

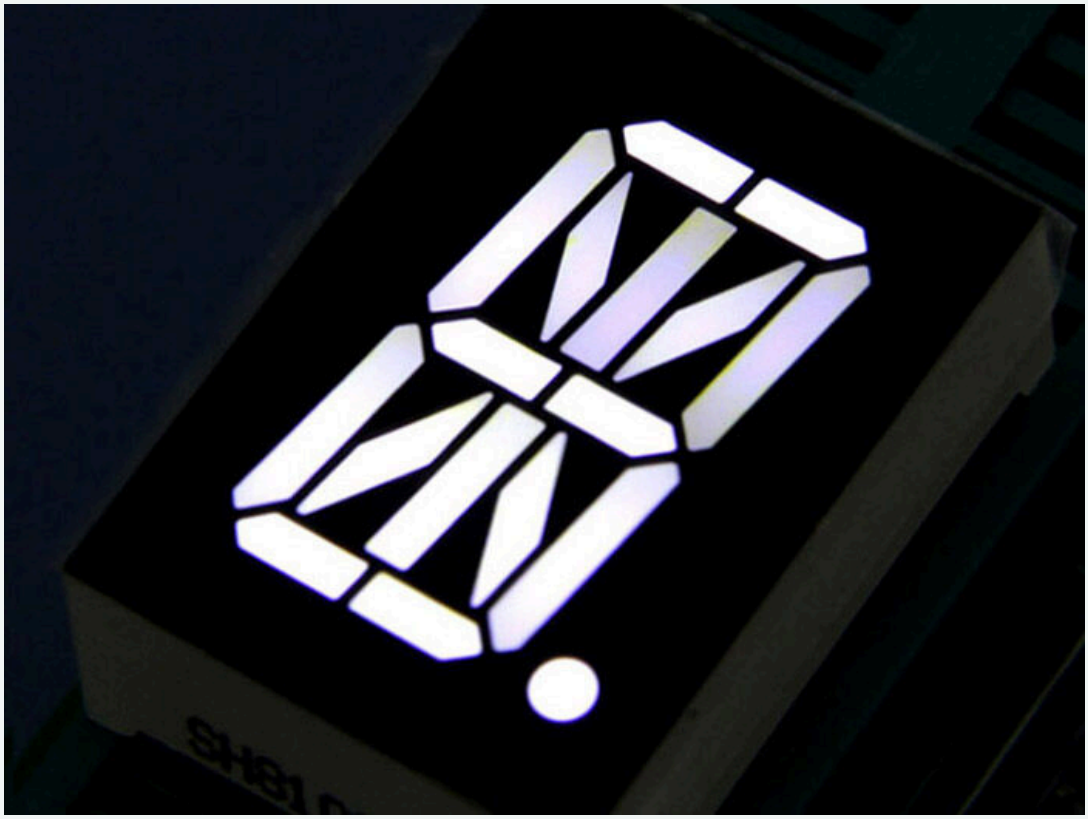
0.8 Inch 16 Segment LED White - Common Anode

0.8 inch white 16-segment LED display for alphanumeric output in breadboard and Arduino projects.

SKU	UPDATED	PRICE
104990130	2024-08-09 02:28:51	$1.95(Excl. VAT)



Overview



This 0.8 inch 16-segment LED display is white and compatible with breadboards and Arduino when used with current-limiting resistors. It can display digits 0-9 and letters A-M, and offers high light output, low current, low voltage, low energy, longevity, and IC compatibility.

Key Features

This is a 16 segment common cathode LED and is white. The advantage of 16 segment is that you can not only display 1234567890, but also ABCDEFGHIJKLM.

It is compatible with bread board and can work with Arduino by adding some current limiting resistors. So, it Suitable for people who is newbie of electronic.

Note: It just a segment LED without control chip.

Features
High Light
low current
low-voltage
low energy
Longevity
IC-compatible

Specification
0.80 inch
common port: 11
size: 20.0 x 27.7 x 8.5mm
Colors: white
surface colors: Black
Working temperature: -20~60°C

Mechanical Outline：
Unspecified Tolerances is: X±0.2

Absolute Maximum Ratings

* Lead Sodering Temperature：260℃ for 3 seconds
* For operation above 25℃, The Ifm Ifp & Pd must be derated, the Curent derating is –0.36mA/℃ for DC drive and -0.86mA/℃ for Pulse drive, the power dissipation is -0.75mW/℃. The product working current must not more than the 60% of the Ifm or Ifp according to the working temperature.

Optical-Electrical Characteristic

Storage & Soldering Condions:
Store with care. Storing the units in bad condition will cause the reflector sheet and decrease it's adhesive power. Storage the products under the condition :temperature (25℃ ± 10℃) and humidity (65℃ CRH±20℃ CRH) our recommendation.

The Soldering Temperature is 260±5℃ and Soldering Time should be less than 3 sec, and soldering iron power should be less than 30W.

The soldering point should be farther than 1.6mm from boby.

For any technical support or suggestion, please kindly go to our **forum**.

Specification

Parameter	Symbol	Maximum Rating	Unit
Power Dissipation	Pd	-	mW
Peak Forward Current	Ifp	150	mA
Continuous Forward Current	Ifm	20	mA
Reverse Voltage	VR	5	V
Operating Temperature Range	topr	-40 → +85	℃
Storage Temperature Range	Tstg	-40 → +100	℃
Static Voltage	Var	-	V

Parameter	Test CONDITING	Symbol	Min	M
Luminous Intensity	IF=10mA	Iv	80.5	8
Forward Voltage	IF=10mA	VF	-	3
REVERSE Current	VR = 5V	IR	-	8
Peak Wavelength	IF=10mA	□λp	461.3	4
Spectral Bandwidth	IF=10mA	▵λ	-	4
View Angle	IF=10mA	2θ1/2	-	D

Compliance & Logistics

HSCODE	8531200000
ROHS	1

Resource Links

- https://www.seeedstudio.com/0-8-Inch-16-Segment-LED-White-Common-Anode-p-2002.html

Seeed Technology Co.,Ltd.
9F, Building G3, International E City,
Zhongshanyuan Road, Nanshan, Shenzhen, China

Tel: +86 0755-80695676
Web: www.seeed.cc
Shop: www.seeedstudio.com