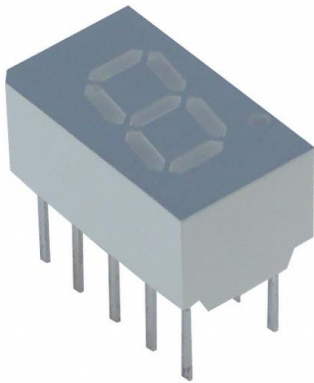


LSHD-A101 Datasheet

www.digi-electronics.com



<https://www.DiGi-Electronics.com>

DiGi Electronics Part Number	LSHD-A101-DG
Manufacturer	Lite-On Inc.
Manufacturer Product Number	LSHD-A101
Description	DISPLAY 7-SEG 0.3" SGL RED 10DIP
Detailed Description	Display Modules - LED Character and Numeric Red 7-Segment 1 Character Common Anode 2.1V 20mA 0.500" H x 0.300" W x 0.240" D (12.70mm x 7.62mm x 6.09mm) 10-DIP (0.200", 5.08mm)

This model LSHD-A101 is available at DiGi Electronics.

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We welcome your inquiries regarding pricing, lead time, or other product-related questions.

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RFQ Email: Info@DiGi-Electronics.com

DiGi is a global authorized distributor of electronic components.

Purchase and inquiry

Manufacturer Product Number:

LSHD-A101

Series:

-

Number of Characters:

1

Digit/Alpha Size:

0.30" (7.62mm)

Common Pin:

Common Anode

Voltage - Forward (Vf) (Typ):

2.1V

Millicandela Rating:

9mcd

Power Dissipation (Max):

70mW

Base Product Number:

LSHD-A1

Manufacturer:

Lite-On Inc.

Product Status:

Active

Size / Dimension:

0.500" H x 0.300" W x 0.240" D (12.70mm x 7.62mm x 6.09mm)

Display Type:

7-Segment

Color:

Red

Current - Test:

20mA

Wavelength - Peak:

650nm

Package / Case:

10-DIP (0.200", 5.08mm)

Environmental & Export classification

RoHS Status:

ROHS3 Compliant

ECCN:

EAR99

Moisture Sensitivity Level (MSL):

1 (Unlimited)

HTSUS:

8541.41.0000

LITEON **LITE-ON ELECTRONICS, INC.****Property of Lite-On Only****FEATURES**

- * 0.3 inch (7.62 mm) DIGIT HEIGHT
- * EXCELLENT SEGMENT UNIFORMITY
- * LOW POWER REQUIREMENT
- * HIGH BRIGHTNESS AND HIGH CONTRAST
- * WIDE VIEWING ANGLE
- * SOLID STATE RELIABILITY
- * BINNED FOR LUMINOUS INTENSITY

DESCRIPTION

The LSHD-A101 is a 0.3 inch (7.62 mm) digit height single-digit display. This device uses AS-AlInGaP RED LED chips (AlInGaP epi on GaAs substrate). The display has light gray face and white segments.

DEVICE

PART NO.	DESCRIPTION
AlInGaP RED	Common Anode
LSHD-A101	Rt. Hande Decimal

**LITE-ON ELECTRONICS, INC.****Property of Lite-On Only****PIN CONNECTION**

No.	CONNECTION
1	Common Anode
2	Cathode F
3	Cathode G
4	Cathode E
5	Cathode D
6	Common Anode
7	Cathode DP
8	Cathode C
9	Cathode B
10	Cathode A

LITEON **LITE-ON ELECTRONICS, INC.**

Property of Lite-On Only

ABSOLUTE MAXIMUM RATING AT Ta = 25°C

PARAMETER	MAXIMUM RATING	UNIT
Power Dissipation Per Segment	70	mW
Peak Forward Current Per Segment (Frequency 1Khz, 15% duty cycle)	90	mA
Continuous Forward Current Per Segment	25	mA
Forward Current Derating from 25°C	0.28	mA/°C
Reverse Voltage Per Segment	5	V
Operating Temperature Range	-35°C to +105°C	
Storage Temperature Range	-35°C to +105°C	
Soldering Conditions : 1/16 inch below seating plane for 3 seconds at 260°C		

ELECTRICAL / OPTICAL CHARACTERISTICS AT Ta = 25°C

PARAMETER	SYMBOL	MIN	TYP	MAX	UNIT	TEST CONDITION
Average Luminous Intensity Per Segment	I _v	200 3400	692 9000		μcd	I _F = 1mA I _F = 10mA
Peak Emission Wavelength	λ _p		650		nm	I _F = 20mA
Spectral Line Half-Width	Δλ		20		nm	I _F = 20mA
Dominant Wavelength	λ _d		639		nm	I _F = 20mA
Forward Voltage Per Segment	V _F		2.1	2.6	V	I _F = 20mA
Reverse Current Per Segment	I _R			100	μA	V _R = 5V
Luminous Intensity Matching Ratio	I _v -m			2 : 1		I _F = 1mA

Note: Luminous Intensity is measured with a light sensor and filter combination that approximates the CIE (Commision Internationale De L'Eclairage) eye-response curve.

LITEON LITE-ON ELECTRONICS, INC.

Property of Lite-On Only

TYPICAL ELECTRICAL / OPTICAL CHARACTERISTIC CURVES

(25°C Ambient Temperature Unless Otherwise Noted)

