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FEATURES

* 0.4 -INCH (10.16-mm) DIGIT HEIGHT.
* CONTINUOUS UNIFORM SEGMENTS.
* LOW POWER REQUIREMENT.
* EXCELLENT CHARACTERS APPEARANCE.
* CATEGORIZED FOR LUMINOUS INTENSITY.
* I.C. COMPATIABLE.
* EASY MOUNTING ON P.C. BOARD OR SOCKET.

DESCRIPTION

The LTS-4640AE is a 0.4-inch (10.16-mm) digit height single digit seven-segment display. This device utilizes red orange LED chips, which are made from GaAsP on GaP substrate, and has a orange face and orange segments.

DEVICE

PART NO.	DESCRIPTION		
RED ORANGE	Common Cathode		
LTS-4640AE	Rt. Hand Decimal		

PART NO.: LTS-4640AE

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PACKAGE DIMENSIONS



NOTES: All dimensions are in millimeters. Tolerance is ± 0.25 -mm (0.01") unless otherwise noted.





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PIN CONNECTION

No.	CONNECTION
1	ANODE F
2	ANODE G
3	NO PIN
4	COMMON CATHODE *3
5	NO PIN
6	ANODE E
7	ANODE D
8	ANODE C
9	ANODE D.P.
10	NO PIN
11	NO PIN
12	COMMON CATHODE *3
13	ANODE B
14	ANODE A

*3 PIN4 & 12 ARE INTERNALLY CONNECTEED.

PART NO.: LTS-4640AE

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ABSOLUTE MAXIMUM RATING AT Ta=25°C

PARAMETER	MAXIMUM RATING	UNIT			
Power Dissipation Per Segment	75	mW			
Peak Forward Current Per Segment (1/10 Duty Cycle, 0.1ms Pulse Width)	100	mA			
Continuous Forward Current Per Segment	25	mA			
Derating Linear From 25 ⁰ C Per Segment	0.33	mA/ ⁰ C			
Reverse Voltage Per Segment	5	V			
Operating Temperature Range	-35° C to $+85^{\circ}$ C				
Storage Temperature Range	-35° C to $+85^{\circ}$ C				
Solder Temperature 1/16 inch Below Seating Plane for 3 Seconds at 260 ⁰ C					

ELECTRICAL / OPTICAL CHARACTERISTICS AT Ta=25°C

PARAMETER	SYMBOL	MIN.	TYP.	MAX.	UNIT	TEST CONDITION
Average Luminous Intensity	Iv	870	2200		μcd	IF=10mA
Peak Emission Wavelength	λp		630		nm	IF=20mA
Spectral Line Half-Width	Δλ		40		nm	IF=20mA
Dominant Wavelength	λd		621		nm	IF=20mA
Forward Voltage Per Segment	VF		2.0	2.6	V	IF=20mA
Reverse Current Per Segment	Ir			100	μA	V _R =5V
Luminous Intensity Matching Ratio	Iv-m			2:1		IF=10mA

Note: Luminous intensity is measured with a light sensor and filter combination that approximates the CIE (commision internationale DE L'clariage) eye-response curve.

PART NO.: LTS-4640AE

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TYPICAL ELECTRICAL / OPTICAL CHARACTERISTIC CURVES



Mouser Electronics

Authorized Distributor

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Lite-On: LTS-4640AE