

LD30014A/B Series – 3.00 inch Single Digit 7 Segment big assembly LED Display



ATTENTION
OBSERVE PRECAUTIONS
FOR HANDLING
ELECTROSTATIC
DISCHARGE
SENSITIVE
DEVICES



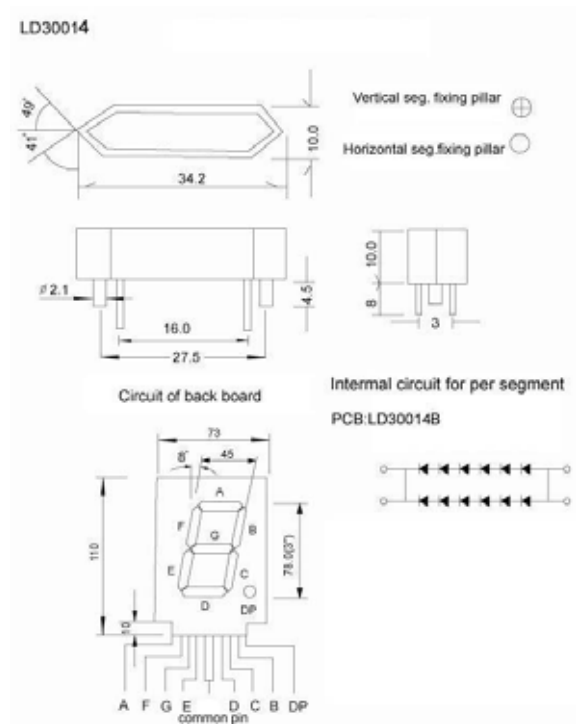
Features

- 78.00 mm (3.00 inch) digit high
- Excellent digit appearance
- Wide viewing angle
- Range of emitted colors
- I.C. compatible
- Low power consumption
- White segment, black face
- RoHS compliant

Available options

- Alternative emitting luminosity:
Standard or high brightness version
- Alternative emitted color
- Alternative face and segment color
- Alternative font
- Both CA and CC versions are available
- Cropped terminal pins

Package Dimensions



Notes:

1. All dimensions are in millimeters (inches), Tolerance is $\pm 0.25\text{mm}$ (0.01inch) unless other wise noted.
2. Specifications are subject to change without notice.
3. The gap between the reflector and PCB shall not exceed 0.25mm.

Selection Guide

Single Digit 7 Segment LED Display, Digit Height: 76mm(3inch), External Dimensions: 73.00x110.0x10.0mm (LxWxHmm)						
Part No.		Chip			Iv@IF=20mA	
Common Cathode	Common Anode	Material	Color	WLD	One Seg	
					Min.	Typ.
LD30014AR	LD30014BR	GaAlAs	Super Red	640	72	90
LD30014AD	LD30014BD	GaAlAs	Hi-Red	640	162	225
LD30014AO	LD30014BO	GaAsP	Orange	625	63	81
LD30014AY	LD30014BY	GaAsP	Yellow	588	72	90
LD30014AG	LD30014BG	GaP	Green	568	63	81
LD30014AUR	LD30014BUR	AlGaInP	Ultra Red	640	270	405
LD30014AUO	LD30014BUO	AlGaInP	Ultra Orange	625	405	540
LD30014AUA	LD30014BUA	AlGaInP	Ultra Amber	605	270	405
LD30014AUY	LD30014BUY	AlGaInP	Ultra Yellow	595	270	405
LD30014AUG	LD30014BUG	AlGaInP	Ultra Green	573	270	405
LD30014APG	LD30014BPG	InGaN	Pure Green	525	1080	2700
LD30014AUB	LD30014BUB	InGaN	Ultra Blue	470	270	405
LD30014AUW	LD30014BUW	SMD	Ultra White	\	900	1080
Unit:	\	\	\	nm	mcd	mcd

Electrical Characteristics & Absolute Maximum Ratings

Color		Electrical optical Characteristics ^[1]			Absolute Maximum Ratings ^[1]		
		Forward Voltage@ IF=20mA		Reverse Current VR=5V	Power Dissipation	DC Forward Current	Peak Forward Current ^[2]
		Typ.	Max.				
Super Red	Per Seg.	10.8	13.2	80	720	50	200
Hi-Red	Per Seg.	10.8	13.2	80	720	50	200
Orange	Per Seg.	12.6	15	80	960	60	200
Yellow	Per Seg.	12.6	15	80	960	60	200
Green	Per Seg.	13.2	15	80	960	60	200
Ultra Red	Per Seg.	11.4	15.6	80	720	60	200
Ultra Orange	Per Seg.	12	15.6	80	780	60	200
Ultra Amber	Per Seg.	12	15.6	80	780	60	200
Ultra Yellow	Per Seg.	12	15.6	80	780	60	200
Ultra Green	Per Seg.	12.6	15.6	80	900	60	200
Pure Green	Per Seg.	21	24	80	1320	60	200
Ultra Blue	Per Seg.	21	24	80	1440	60	200
Ultra White	Per Seg.	21	24	80	1440	60	200
Unit:	\	V	V	uA	mW	mA	mA

Notes:

1. At Ta = 25 °C.
2. Peak forward current at 1/10 Duty Cycle, 0.1ms Pulse.