

LD160011C/D Series – 12 inch Large Assembly 7 Segment LED Display



ATTENTION
OBSERVE PRECAUTIONS
FOR HANDLING
ELECTROSTATIC
DISCHARGE
SENSITIVE
DEVICES



Features

- 410 mm (16 inch) digit high
- Excellent digit appearance
- Wide viewing angle
- Range of emitted colors
- I.C. compatible
- Low power consumption
- White segment
- RoHS compliant

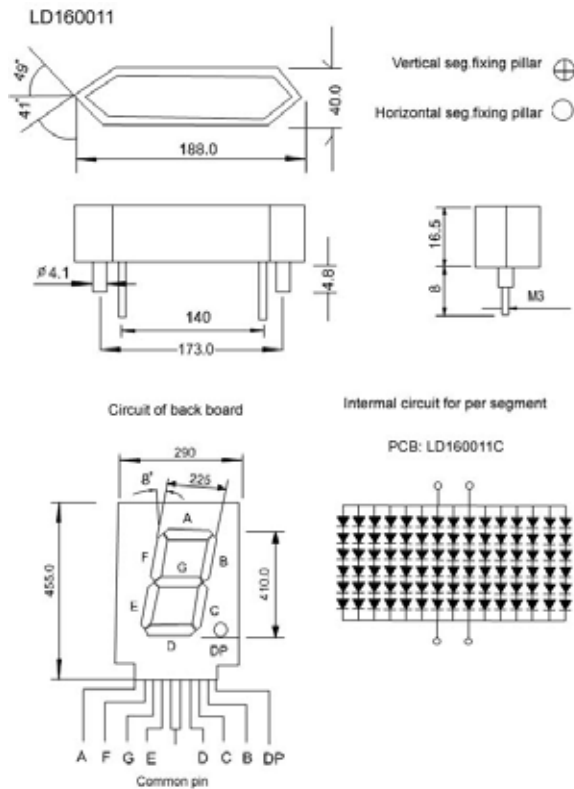
Available options

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

Package Dimensions & Internal Circuit Diagram

Notes:

1. All dimensions are in millimeters(inches), Tolerance is $\pm 0.25\text{mm}(0.01\text{inch})$ 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 (Ta = 25 °C)

Single Digit 7 Segment LED Display, Digit Height: 410.00mm(16inch), External Dimensions: 455.00x290.00mm (LxWmm)						
Part No.		Chip			I _V @I _F =300mA	
Common Cathode	Common Anode	Material	Color	WLD	One Seg	
					Min.	Typ.
LD160011CR	LD160011DR	GaAlAs	Super Red	640	540	675
LD160011CD	LD160011DD	GaAlAs	Hi-Red	640	1215	1688
LD160011CO	LD160011DO	GaAsP	Orange	625	472.5	607.5
LD160011CY	LD160011DY	GaAsP	Yellow	588	540	675
LD160011CG	LD160011DG	GaP	Green	568	472.5	607.5
LD160011CUR	LD160011DUR	AlGaInP	Ultra Red	640	2025	3038
LD160011CUO	LD160011DUO	AlGaInP	Ultra Orange	625	3037.5	4050
LD160011CUA	LD160011DUA	AlGaInP	Ultra Amber	605	2025	3038
LD160011CUY	LD160011DUY	AlGaInP	Ultra Yellow	595	2025	3038
LD160011CUG	LD160011DUG	AlGaInP	Ultra Green	573	2025	3038
LD160011CPG	LD160011DPG	InGaN	Pure Green	525	8100	20250
LD160011CUB	LD160011DUB	InGaN	Ultra Blue	470	2025	3038
LD160011CUW	LD160011DUW	SMD	Ultra White	\	6750	8100
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	110	5400	375	1500
Hi-Red	Per Seg.	10.8	13.2	110	5400	375	1500
Orange	Per Seg.	12.6	15	110	7200	450	1500
Yellow	Per Seg.	12.6	15	110	7200	450	1500
Green	Per Seg.	13.2	15	110	7200	450	1500
Ultra Red	Per Seg.	11.4	15.6	110	5400	450	1500
Ultra Orange	Per Seg.	12	15.6	110	5850	450	1500
Ultra Amber	Per Seg.	12	15.6	110	5850	450	1500
Ultra Yellow	Per Seg.	12	15.6	110	5850	450	1500
Ultra Green	Per Seg.	12.6	15.6	110	6750	450	1500
Pure Green	Per Seg.	21	24	110	9900	450	1500
Ultra Blue	Per Seg.	21	24	110	10800	450	1500
Ultra White	Per Seg.	21	24	110	10800	450	1500
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.