High efficiency, single-digit numeric displays

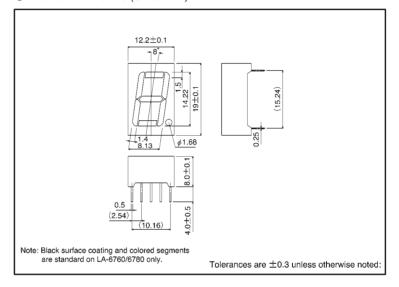
LA-6000 Series

The LA-6000 series are LED numeric displays designed to be used in bright locations. Red, orange, yellow and green are available, and they are suitable for use in a wide range of applications.

Features

- 1) Height of character: 14.22 mm.
- Common anode and common cathode configurations are available for each color.
- Each segment has independent pin connections making static drive possible.
- 4) High efficiency reflectors are used to achieve a bright, clear display.
- The package surface is painted gray and the segments are milky white.

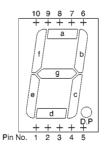
External dimensions (Units: mm)



Selection guide

Emitting color Common	Red	Orange	Yellow	Green
Anode	LA-6760	LA-6660	LA-6860	LA-6460
Cathode	LA-6780	LA-6680	LA-6880	LA-6480

Pin assignments

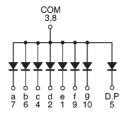


Pin No.	Function
1	Segment "e"
2	Segment "d"
3	Common
4	Segment "c"
5	D.P
6	Segment "b"
7	Segment "a"
8	Common
9	Segment "f"
10	Segment "g"



LED displays LA-6000 Series

●Internal circuit schematic (example of common anode)



●Absolute maximum ratings (Ta = 25°C)

Parameter	Cymbol	Red	Orange	Yellow	Green	Unit	
	Symbol	LB-6710 / 6740	LB-6610 / 6640	LB-6810 / 6840	LB-6410 / 6440		
Power dissipation	Pp	960	960	960	960	mW	
Power dissipation	P⊳/ seg	60	60	60	60	mW	
Forward current	lf	20	20	20	20	mA	
Peak forward current	IFP	60*	60*	60*	60*	mA	
Reverse voltage	VR	5	5	5	5	V	
Operating temperature	Topr		°C				
Storage temperature	Tstg		°C				

^{*} Pulse width 1ms duty 1 / 5

●Electrical and optical characteristics (Ta = 25°C)

Parameter Symbol	Symbol	Conditions	Red		Orange		Yellow		Green			Unit			
	Conditions	Min.	Тур.	Max.	Min.	Тур.	Max.	Min.	Тур.	Max.	Min.	Тур.	Max.	Oill	
Forward voltage	VF	I=10mA	_	2.0	2.8	_	2.0	2.8	_	2.1	2.8	_	2.1	2.8	V
Reverse current	lR	V _R =5V	_	_	100	_	_	100	_	_	100	_	_	100	μΑ
Peak wavelength	λP	I=10mA	_	650	-	_	610	_	_	585	_	_	563	_	nm
Spectral line half width	Δλ	I=10mA	_	40	_	_	40	_	ı	40	_	_	40	_	nm

ONot designed for radiation resistance.

Luminous intensity

Color	λР	Туре	Min.	Тур.	Max.	Unit
Red	650	LA-6760	3.6	10	_	mcd
	050	LA-6780	3.0			IIICU
Orange	610	LA-6660	3.6	10	_	mcd
		LA-6680	3.0			
Yellow	585	LA-6860	3.6	10	_	mcd
		LA-6880	3.0			IIICU
Green	563	LA-6460	9	25	_	mcd
	505	LA-6480	9	25	_	mou

Note: Measured at IF = 10 mA