High efficiency, single-digit numeric displays

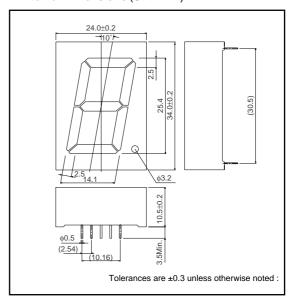
LA-101AK Series

The LA-101AK series are LED numerical displays designed to allow use even in bright locations. The height of the character is 25.4 mm, and two colors are available: red and green. These displays are designed for use in large numerical displays.

Features

- 1) Height of character: 25.4 mm
- 2) Dimensions: 24 x 34 x 10.5 mm
- 3) A common anode configuration and a common cathode configuration are available for each color.
- 4) The package surface is painted black and the segments are colored the display color.
- 5) High luminance, clear display.

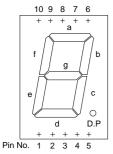
●External Dimensions (Unit : mm)



Selection guide

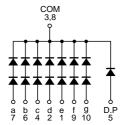
Emitting color Common	Red	Green
Anode	LA-101VA	LA-101MA
Cathode	LA-101VK	LA-101MK

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"

●Internal circuit schematic (example of common cathode)



●Absolute maximum ratings (Ta=25°C)

Parameter	Symbol	Red	Green	Unit	
i didilietei	Symbol	LA-101VA / VK	Oill		
Power dissipation	Po	640	640	mW	
Power dissipation P _D / seg		85 (45)	85 (45)	mW	
Forward current IF		15	20	mA	
Peak forward current IFP		60*	60*	mA	
Reverse voltage	VR	3	3	V	
Operating temperature	Topr	–25 to	°C		
Storage temperature	Tstg	-30 to +85		°C	

^{*} Pulse width 1ms duty 1 / 5 () is D.P value

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

Parameter	Symbol	Conditions	Elements	Red			Green			Unit
raiailletei	Symbol			Min.	Тур.	Max.	Min.	Тур.	Max.	Offic
Forward voltage	VF	I=10mA	2	-	4.0*1	5.6 ^{*1}	-	4.2*1	5.6 ^{*1}	V
			1	ı	2.0*2	2.8*2	ı	2.1 ^{*2}	2.8*2	
Reverse current	lR	V _R =3V	_	_	_	100	_	_	100	μΑ
Peak wavelength	λР	I _F =10mA	_	-	650	_	_	563	-	nm
Spectral line half width	Δλ	I _F =10mA	_	_	40	_	_	40	_	nm

O Not designed for radiation resistance.

Luminous intensity

Color	λР	Туре	Min.	Тур.	Max.	Unit
Red	650	LA-101VA	3.6	10	-	mcd
		LA-101VK				
Green	563	LA-101MA	5.6	16	_	mcd
		LA-101MK				

Note: Measured at Ir=10mA

The forward voltage and reverse current values are the guaranteed values per element.

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