LED displays

LA-601 B / L Series

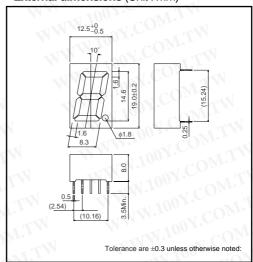
Single Digit LED Numeric Display LA-601 B / L Series

LA-601 B / L series is designed to use in the light. Materials of emission are GaAsP on GaP, AlGalnP GaP and GaN. This is the height of a letter 14.6mm, single digit LED Numeric Display that is packed by epoxy resin.

Features

- 1) The height of a letter is 14.6mm.
- 2) Dimension is 12.5×19.0×8.0mm.
- The package of surface color is black. Color of segment is colored in emitting color. (Blue color is only milky white)
- 4) Each color has anode common and cathode common respectively.

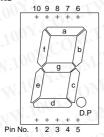
●External dimensions (Unit: mm)



Selection guide

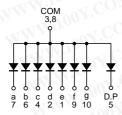
Emitting color Common	Red	Red (High brightness)	Orange (High brightness)	Yellow (High brightness)	Green	Blue
Anode	LA-601VB	LA-601AB	LA-601EB	LA-601XB	LA-601MB	LA-601BB
Cathode	LA-601VL	LA-601AL	LA-601EL	LA-601XL	LA-601ML	LA-601BL

Pin assignments

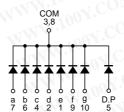


Function
Segment "e"
Segment "d"
Common
Segment "c"
D.P
Segment "b"
Segment "a"
Common
Segment "f"
Segment "g"

●Equivalent circuit (anode common)



(cathode common)



● Absolute maximum ratings (Ta=25°C)

LA-601VB / VL LA-601AB / AL LA-601EB / EL LA-601XB / XL LA-601MB / ML LA-601BB / BL	Parameter	Symbol	Red	Red (High brightness)	Orange (High brightness)	Yellow (High brightness)	Green	Blue	Unit
Power dissipation Pb / seg 60 65 65 65 60 42 n Forward current IF 20 25 25 25 20 10 r Peak forward current IFP 60 *1 50 *2 50 *2 60 *1 50 *2 r Reverse voltage VR 5 5 5 5 5 5		Wilos	LA-601VB / VL	LA-601AB / AL	LA-601EB / EL	LA-601XB / XL	LA-601MB / ML	LA-601BB / BL	
Forward current I _F 20 25 25 25 20 10 r Peak forward current I _{FP} 60 *1 50 *2 50 *2 50 *2 60 *1 50 *2 r Reverse voltage V _R 5 5 5 5 5 5	Power dissipation	Po	480	520	520	520	480	336	mW
Peak forward current IFP 60 *1 50 *2 50 *2 50 *2 60 *1 50 *2 r Reverse voltage VR 5 5 5 5 5 5 5	Power dissipation	P _D / seg	60	65	65	65	60	42	mW
Reverse voltage VR 5 5 5 5 5	Forward current	l _F	20	25	25	25	20	10	mA
	Peak forward current	I _{FP}	60 *1	50 *2	50 *2	50 *2	60 *1	50 *2	mA
Operating temperature Topr -25 to +75	Reverse voltage	V _R	5	5	5	5	5	5	V
	Operating temperature	Topr	1007.	WILL	−25 to	+75	11/20	1.11	°C
Storage temperature Tstg -30 to +85	Storage temperature	Tstg	-7 (OM	−30 to	+85	1 COL	- IV	°C

Parameter	Symbol	Conditions	R	ed	Re (High bri	ed ghtness)	Ora (High bri	nge ghtness)	Yell (High bri	ow ghtness)	Gr	een	В	lue	Unit
Tarameter	Cymbol	Conditions	Тур.	Max.	Тур.	Max.	Тур.	Max.	Тур.	Max.	Тур.	Max.	Тур.	Max.	0
orward voltage	VF	I _F =10mA	2.0	2.8	2.05*	2.6 *	2.05 *	2.6 *	2.05*	2.6*	2.1	2.8	3.6	4.2	V
Reverse current	IR	V _R =3V	-541	100	7.	100	V-2	100	7	100	Ma	100	-	100	μА
Peak wavelength	ĺλρ	I _F =10mA	650	·	626*	0-	610*	_	589*	M.Z.,	563	15.	470	-1	nm
Spectral line half width	Δλ	I _F =10mA	40	(14V	18 *	~~N	17 *	_	15 *	1	40		26	Mr.	nm

OThe products are not radiations resistant.

Luminous intensity

Color	λ _P (nm)	Type	Min.	Typ.	Unit
DN. July	CEO	LA-601VB	F 6 3/	COLAR	
Red	650	LA-601VL	5.6	14	mcd
Dod (Lligh brightness)	626	LA-601AB	36	90	mad
Red (High brightness)	020	LA-601AL	36	300	mcd
Orange (High brightness)	610	LA-601EB	36	90	mcd
		LA-601EL	30		ilicu
Yellow (High brightness)	589	LA-601XB	26	90	mcd
reliow (riigir brightness)	309	LA-601XL	36	90	IIICU
Green	563	LA-601MB	9	22	mcd
Green	303	LA-601ML	3	1765	IIIcu
Blue	470	LA-601BB	14	56	mcd
Blue	470	LA-601BL	14	30	IIICU

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^{*1} Pulse width 1ms Duty 1 / 5 *2 Pulse width 0.1ms Duty 1 / 10

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