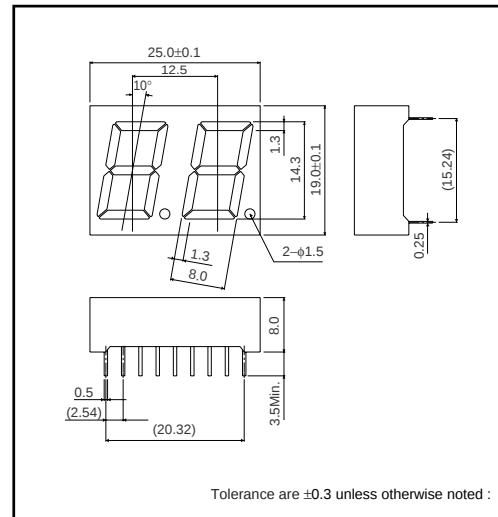


LBP-602 A / K2 Series

●Dimensions (Unit : mm)



- 1) 14.3mm for letter height, two-lines LED numerical displays.
- 2) About 10 times more luminous intensity than the conventional products by use of 4-element LED dies. (in case of orange color)
- 3) The same luminous intensity as the conventional products at their 1/10 of current, which contributes lots to energy-saving of sets.
- 4) Light-leakage from segments probable with the small display packages is very rare.
- 5) Both anode common type and cathode common type are available in lineup for each color.

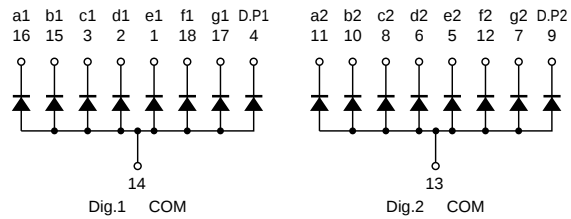
Emitting color Common	Red	Orange	Yellow	Green
Anode	LBP-602VA2	LBP-602DA2	LBP-602YA2	LBP-602MA2
Cathode	LBP-602VK2	LBP-602DK2	LBP-602YK2	LBP-602MK2

The diagram shows a 2x2 grid of dice faces. The top row contains faces labeled 'a1' and 'a2'. The bottom row contains faces labeled 'd1' and 'd2'. The left column is labeled 'Digit 1' and the right column is labeled 'Digit 2'. The faces are labeled with 'f1', 'f2', 'b1', 'b2' for the top row and 'e1', 'e2', 'c1', 'c2' for the bottom row. The faces are labeled 'g1', 'g2' for the top row and 'd1', 'd2' for the bottom row. The faces are labeled 'D.P1' and 'D.P2' for the bottom row. The faces are labeled 'Pin No.' and 'Pin' for the bottom row.

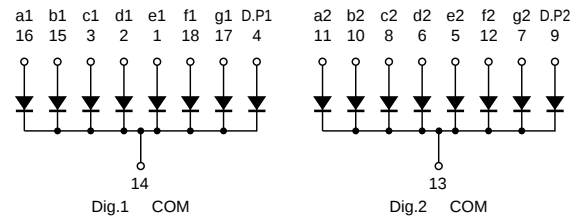
ROHAT

LED displays

●Equivalent circuit (anode common)



(cathode common)



●Absolute maximum ratings (Ta=25°C)

Parameter	Symbol	Red	Orange	Yellow	Green	Unit
		LBP-602VA2 / VK2	LBP-602DA2 / DK2	LB-602YA2 / YK2	LBP-602MA2 / MK2	
Power dissipation	P_D	896	896	896	896	mW
Power dissipation	P_D / seg	56	56	56	56	mW
Forward current	I_F	20	20	20	20	mA
Peak forward current	I_{FP}	60 *	60 *	60 *	60 *	mA
Reverse voltage	V_R	5	5	5	5	V
Operating temperature	T_{opr}	-25 to +75				°C
Storage temperature	T_{stg}	-30 to +85				°C

* Pulse width 1ms Duty 1 / 5

●Electrical characteristics (Ta=25°C)

Parameter	Symbol	Conditions	Red		Orange		Yellow		Green		Unit
			Typ.	Max.	Typ.	Max.	Typ.	Max.	Typ.	Max.	
Forward voltage	V_F	$I_F=10\text{mA}$	1.9	2.8	1.9	2.8	1.9	2.8	1.9	2.8	V
Reverse current	I_R	$V_R=3\text{V}$	—	100	—	100	—	100	—	100	μA
Peak wavelength	λ_P	$I_F=10\text{mA}$	650	—	605 *	—	590	—	572	—	nm
Spectral line half width	$\Delta\lambda$	$I_F=10\text{mA}$	20	—	20 *	—	20	—	20	—	nm

© The products are not radiations resistant.

●Luminous intensity

Color	λ_P (nm)	Type	Min.	Typ.	Unit
Red	650	LBP-602VA2	14	36	mcd
		LBP-602VK2			
Orange	605	LBP-602DA2	56	250	mcd
		LBP-602DK2			
Yellow	590	LBP-602YA2	90	450	mcd
		LBP-602YK2			
Green	572	LBP-602MA2	36	100	mcd
		LBP-602MK2			

© A condition of measurement is $I_F=10\text{mA}$.

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