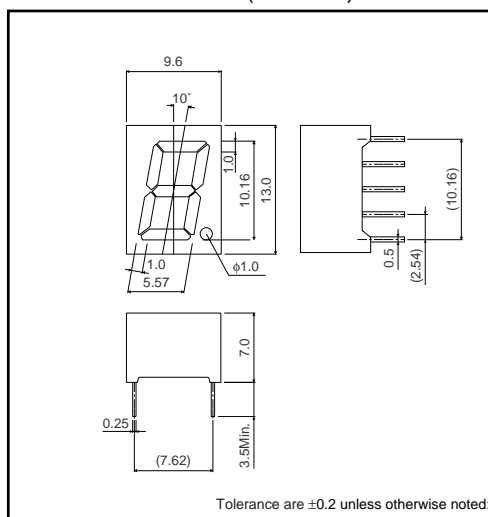


LA-401 D / N Series

●External dimensions (Unit : mm)



- 1) The height of a letter is 10.16mm.
- 2) Dimension is 9.6×13.0×7.0mm.
- 3) 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.

Emitting color Common	Red	Red High brightness	Orange High brightness	Yellow High brightness	Green	Blue
Anode	LA-401VD	LA-401AD	LA-401ED	LA-401XD	LA-401MD	LA-401BD
Cathode	LA-401VN	LA-401AN	LA-401EN	LA-401XN	LA-401MN	LA-401BN

Pin No. _____

1 +	a	+ 10
2 +	f b	+ 9
3 +	g	+ 8
4 +	e c	+ 7
5 +	d	+ 6

D.P.

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

LED displays

●Absolute maximum ratings (Ta=25°C)

Parameter	Symbol	Red	Red High brightness	Orange High brightness	Yellow High brightness	Green	Blue	Unit
		LA-401VD / VN	LA-401AD / AN	LA-401ED / EN	LA-401XD / XN	LA-401MD / MN	LA-401BD / BN	
Power dissipation	P _D	320	520	520	520	480	336	mW
Power dissipation	P _D / seg	40	65	65	65	60	42	mW
Forward current	I _F	15	25	25	25	20	10	mA
Peak forward current	I _{FP}	60 *1	50 *2	50 *2	50 *2	60 *1	50 *2	mA
Reverse voltage	V _R	5	5	5	5	5	5	V
Operating temperature	Topr	-25 to +75						°C
Storage temperature	Tstg	-30 to +85						°C

*1 Pulse width 1ms Duty 1 / 5

*2 Pulse width 0.1ms Duty 1 / 10

●Electrical characteristics (Ta=25°C)

Parameter	Symbol	Conditions	Red		Red High brightness		Orange High brightness		Yellow High brightness		Green		Blue		Unit
			Typ.	Max.	Typ.	Max.	Typ.	Max.	Typ.	Max.	Typ.	Max.	Typ.	Max.	
Forward voltage	V _F	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	I _R	V _R =3V	—	100	—	100	—	100	—	100	—	100	—	100	μA
Peak wavelength	λ _P	I _F =10mA	650	—	626*	—	610*	—	589*	—	563	—	470	—	nm
Spectral line half width	Δλ	I _F =10mA	40	—	18*	—	17*	—	15*	—	40	—	26	—	nm

© The products are not radiations resistant.

*Shows the number on the condition of I_F=20mA.

●Luminous intensity

Color	λ _P (nm)	Type	Min.	Typ.	Unit
Red	650	LA-401VD	5.6	16	mcd
		LA-401VN			
High brightness red	626	LA-401AD	36	90	mcd
		LA-401AN			
High brightness orange	610	LA-401ED	36	90	mcd
		LA-401EN			
High brightness yellow	589	LA-401XD	36	90	mcd
		LA-401XN			
Green	563	LA-401MD	5.6	16	mcd
		LA-401MN			
Blue	470	LA-401BD	14	56	mcd
		LA-401BN			

© A condition of measurement is I_F=10mA.

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