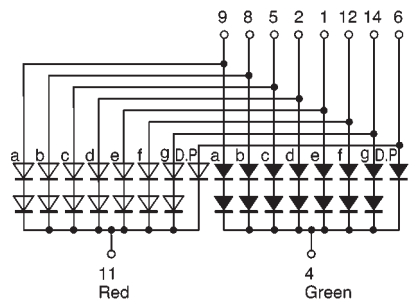




●Internal circuit schematic (example of common cathode)



●Absolute maximum ratings (Ta = 25°C)

Parameter	Symbol	Red	Green	Unit
		LA-121MLA / MLK	LA-121MLA / MLK	
Power dissipation	P <sub>D</sub>	900	750	
Power dissipation	P <sub>D</sub> / seg	120 (60)	100 (50)	
Forward current	I <sub>F</sub>	30	20	
Peak forward current	I <sub>FP</sub>	80*	60*	
Reverse voltage	V <sub>R</sub>	8 (4)	8 (4)	
Operating temperature	T <sub>opr</sub>	-25~+75		
Storage temperature	T <sub>stg</sub>	-25~+85		

\* Pulse width 1ms duty 1 / 5  
( ) is D.P value

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

Parameter	Symbol	Conditions	Red			Green			Unit
			Min.	Typ.	Max.	Min.	Typ.	Max.	
Forward voltage	V <sub>F</sub>	I <sub>F</sub> =20mA	—	3.5 (1.75)	4 (2)	—	4.4 (2.2)	5 (2.5)	V
Reverse current	I <sub>R</sub>	V <sub>R</sub> =3V	—	—	100	—	—	100	μA
Peak wavelength	λ <sub>P</sub>	I <sub>F</sub> =20mA	—	660	—	—	563	—	nm
Spectral line half width	Δλ	I <sub>F</sub> =20mA	—	25	—	—	40	—	nm

○Not designed for radiation resistance.  
( ) is D.P value

●Luminous intensity

Color	λ <sub>P</sub>	Type	Min.	Typ.	Max.	Unit
Red	660	LA-121MLA	36	100	—	mcd
		LA-121MLK				
Green	563	LA-121MLA	36	100	—	mcd
		LA-121MLK				

Note: Measured at I<sub>F</sub> = 20mA