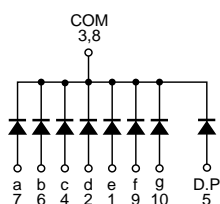


LED displays

● Internal circuit schematic (example of common cathode)



● Absolute maximum ratings (Ta=25°C)

Parameter	Symbol	Red	Orange	Green	Unit
		LA-601VB / VL	LA-601DB / DL	LA-601MB / ML	
Power dissipation	P_D	480	480	480	mW
Power dissipation	P_D / seg	60	60	60	mW
Forward current	I_F	20	20	20	mA
Peak forward current	I_{FP}	60*	60*	60*	mA
Reverse voltage	V_R	5	5	5	V
Operating temperature	T_{opr}	-25~+75			°C
Storage temperature	T_{stg}	-30~+85			°C

* Pulse width 1ms duty 1 / 5

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

Parameter	Symbol	Conditions	Red			Orange			Green			Unit
			Min.	Typ.	Max.	Min.	Typ.	Max.	Min.	Typ.	Max.	
Forward voltage	V_F	$I_F=10\text{mA}$	-	2.0	2.8	-	2.0	2.8	-	2.1	2.8	V
Reverse current	I_R	$V_R=3\text{V}$	-	-	100	-	-	100	-	-	100	μA
Peak wavelength	λ_P	$I_F=10\text{mA}$	-	650	-	-	610	-	-	563	-	nm
Spectral line half width	$\Delta\lambda$	$I_F=10\text{mA}$	-	40	-	-	40	-	-	40	-	nm

© Not designed for radiation resistance.

● Luminous intensity

Color	λ_P	Type	Min.	Typ.	Max.	Unit
Red	650	LA-601VB	3.6	10	-	mcd
		LA-601VL				
Orange	610	LA-601DB	3.6	10	-	mcd
		LA-601DL				
Green	563	LA-601MB	5.6	16	-	mcd
		LA-601ML				

Note : Measured at $I_F=10\text{mA}$