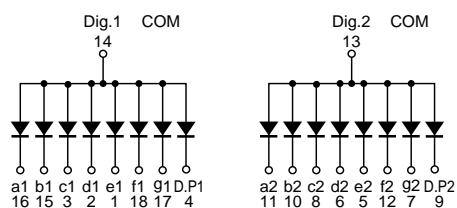




LED displays

●Internal circuit schematic (example of common anode)



●Absolute maximum ratings (Ta=25°C)

Parameter	Symbol	Red	Orange	Green	Unit
		LB-502VD / VN	LB-502DD / DN	LB-502MD / MN	
Power dissipation	P <sub>D</sub>	960	960	960	mW
Power dissipation	P <sub>D</sub> / seg	60	60	60	mW
Forward current	I <sub>F</sub>	20	20	20	mA
Peak forward current	I <sub>FP</sub>	60*	60*	60*	mA
Reverse voltage	V <sub>R</sub>	5	5	5	V
Operating temperature	Topr	-25~+75			°C
Storage temperature	Tstg	-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 <sub>F</sub>	I <sub>F</sub> =10mA	-	2.0	2.8	-	2.0	2.8	-	2.1	2.8	V
Reverse current	I <sub>R</sub>	V <sub>R</sub> =5V	-	-	100	-	-	100	-	-	100	μA
Peak wavelength	λ <sub>P</sub>	I <sub>F</sub> =10mA	-	650	-	-	610	-	-	563	-	nm
Spectral line half width	Δλ	I <sub>F</sub> =10mA	-	40	-	-	40	-	-	40	-	nm

© Not designed for radiation resistance.

●Luminous intensity

Color	λ <sub>P</sub>	Type	Min.	Typ.	Max.	Unit
Red	650	LB-502VD	5.6	16	-	mcd
		LB-502VN				
Orange	610	LB-502DD	5.6	16	-	mcd
		LB-502DN				
Green	563	LB-502MD	9.0	25	-	mcd
		LB-502MN				

Note : Measured at I<sub>F</sub>=10mA

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