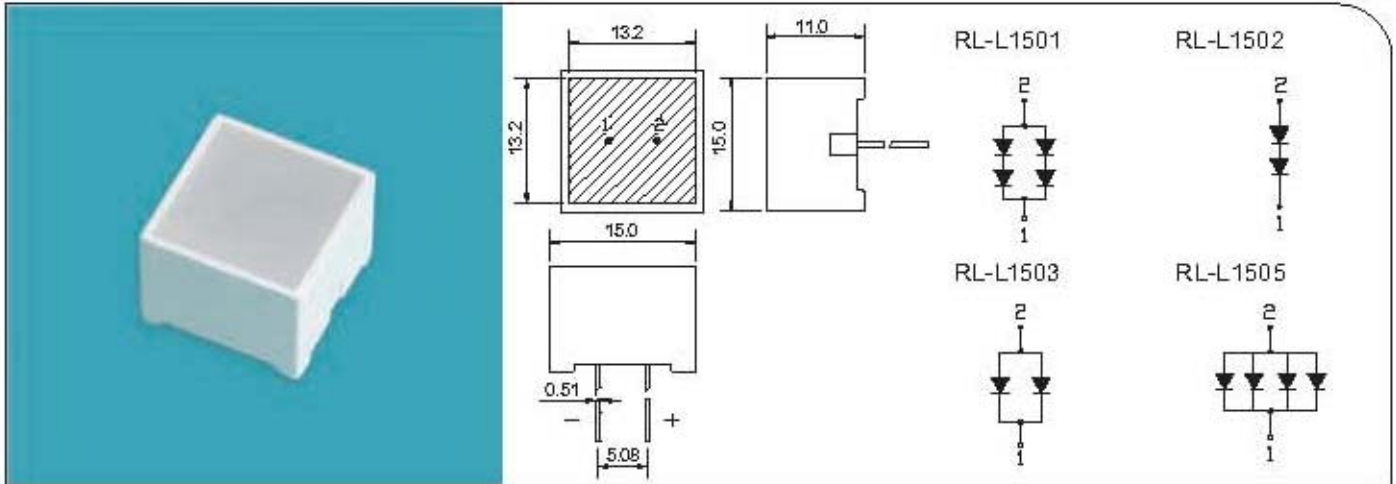


15X15mm Light Bar Display



Part Number	Chip				Lens Type	VF(V)			IV(ucd)		C.C. Or C.A.
	Material	Emitted Color	Δp(nm)			Min	Max	at IF=mA	Min	Max	
			Min	Max							
RL-L1503SWD	GaAlAs	Super Red	635	645	Red Diffused	15	2.4	20	550	2830	C.A.
RL-L1503QWW	GaAsP/GaP	Orange	625	635	Diffused	1.7	2.8	20	240	670	C.A.
RL-L1502YWW	GaAsP/GaP	Yellow	585	595	Diffused	3.4	5.6	20	190	590	C.A.
RL-L1501GWD	GaP	YellowGreen	565	575	GreenDiffused	3.4	5.6	20	500	2750	C.A.
RL-L1505BWW	InGaN	Blue	465	475	Diffused	2.8	3.8	20	610	1210	C.A.

Absolute Maximum Ratings at Ta=25°C

Patameter	Symbol	MAX. Rating	Unit
Power Dissipation	Pd	100	mW
Peak forward current (10μs Pulse)	IFM	100	mA
Reverse Current	IR	100	μA
Continuous Forward Current	IF	10~20	mA
Operating Temperature	Topr	-40~+85	°C
Storage Temperature	Tstg	-40~+85	°C
Lead Soldering Temperature: 260°C For 5 SEC			

FEATURES:

- ◆ Low power consumption
- ◆ Low current operation
- ◆ Excellent character apperance
- ◆ Easy mounting on P.C. boards or sockets
- ◆ I.C. compatible
- ◆ Mechanically rugged
- ◆ Standard:gray face,white segment
- ◆ RoHs compliant
- ◆ Various colors and lens types available

Note: 1.Absolute maximum ratings Ta=25°C.

2.Tolerance of measurement of forward voltage $\pm 0.1V$.

3.Tolerance of measurement of peak Wavelength $\pm 2.0nm$.

4.Tolerance of measurement of luminous intensity $\pm 15\%$.

5.All dimensions are in millimeters

Reliability Test and Test Items And Result

No	Item	Test Condition	Test Hours/Cycles	Samples Tested	Acc./Rej
1	Room Temperature DC Operating Life	Ta=25℃, IF=20mA	1000 Hrs	76	0/1
2	Thermal Shock	-10℃(5min)→(10sec)→+100℃(5min)	100 Cycles	76	0/1
3	Temperature Cycle	-40℃(30min)→(5min)→+85℃(30min)	100 Cycles	76	0/1
4	High Temp./ High Humi. Test	85℃/85%RH	1000 Hrs	76	0/1
5	High Temperature Storage	Ta=100℃	1000 Hrs	76	0/1
6	Low Temperature Storage	Ta= - 40℃	1000 Hrs	76	0/1
7	Soldering Heat	260℃±5℃	5 Seconds	76	0/1

Typical Electrical / Optical Characteristics Curves 25℃ Ambient Temperature Unless Otherwise Noted)

