



Brilliance by design

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3mm & 5mm Ultra Bright LEDs Model SL903 & SL905

Figure 1 3mm LED

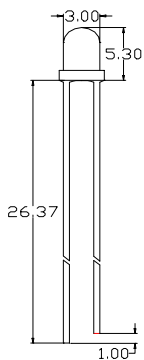


Figure 2 5mm LED

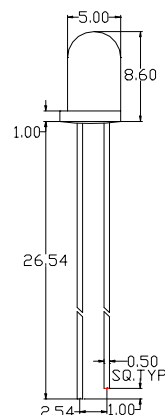


Figure 1

Reverse Voltage:	5 Volt
Reverse Current (Vr=5V):	50 uA
Operating Temperature Range:	-20°C- +80°C
Storage Temperature Range:	-30°C- +100°C
Lead Soldering Temperature:	-260°C for
(1.6mm (1/16inch) from body)	5 seconds

1. All Dimensions are in millimeters.
2. Tolerance is +0.25mm(0.10') unless otherwise specified.
3. Protruded resin under flange is 1.5 mm(0.059") max.
4. Lead spacing is measured where the leads emerge from the package
5. Specifications are subject to change without notice

Figure 1 3mm LED

Part No.	Chip		Wave Length	Lens Color	View Angle (deg)	Electro-Optical Characteristics			Absolute Max Ratings		
	Raw Material	Emitted Color				Vf(V)		IV (mcd)	Pd mW	If mA	If mA (Peak)
						Typ.	Max.	Typ.			
SL903WCE	InGaN/YAG	Pure White	-	Water Clear	30	3.6	4.0	630	120	30	100
SL903BCE	GaN/SiC	Blue	430	Water Clear	40	3.8	4.5	100	120	30	100
SL903GCE	AlGaInP	Green	575	Water Clear	40	2.0	2.4	120	120	30	100
SL903RCE	AlGaInP	Red	635	Water Clear	40	2.0	2.4	350	120	30	100
SL903YCE	AlGaInP	Yellow	590	Water Clear	40	2.0	2.4	385	120	30	100
SL903ACE	AlGaInP	Amber	620	Water Clear	40	2.0	2.4	420	120	30	100

Figure 2 5mm LED

Part No.	Chip		Wave Length	Lens Color	View Angle (deg)	Electro-Optical Characteristics			Absolute Max Ratings		
	Raw Material	Emitted Color				Vf(V)		IV (mcd)	Pd mW	If mA	If mA (Peak)
						Typ.	Max.	Typ.			
SL905WCE	InGaN/YAG	Pure White	-	Water Clear	45	3.6	4.0	1200	120	30	100
SL905WCE-13	InGaN/YAG	Pure White	-	Water Clear	13	3.6	4.0	3700	120	30	100
SL905WCE-20	InGaN/YAG	Pure White	-	Water Clear	20	3.6	4.0	3300	120	30	100
SL905BCE	GaN/SiC	Blue	430	Water Clear	20	3.8	4.5	400	120	30	100
SL905GCE	AlGaInP	Green	575	Water Clear	20	2.0	2.4	2200	120	30	100
SL905RCE	AlGaInP	Red	635	Water Clear	13	2.0	2.4	7300	120	30	100
SL905YCE	AlGaInP	Yellow	590	Water Clear	13	2.0	2.4	8900	120	30	100
SL905ACE	AlGaInP	Amber	620	Water Clear	13	2.0	2.4	9900	120	30	100