

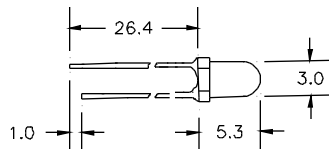


Discrete LED Products - Water Clear

MODEL SL903

T-1 (3mm)

WATERCLEAR

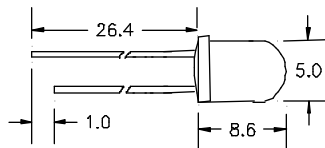


Part No.	Emitted Color	Wave Length	Lens Color	View Angle (deg)	Electro-Optical Characteristics					Absolute Max Ratings		
					Vf(V)		If (Rec)	Iv (mcd)		Pd mW	If mA	If mA (Peak)
					Typ.	Max.		Min.	Typ.			
SL903GC	Green	565	Water Clear	30	2.1	2.8	10~20	30	100	100	30	160
SL903GCH	Green	565	Water Clear	30	2.1	2.8	10~20	100	250	100	30	160
SL903GCV	Green	565	Water Clear	30	2.1	2.8	10~20	250	350	100	30	160
SL903GCS	Green	568	Water Clear	30	1.8	2.1	10~20	350	500	100	30	160
SL903YC	Yellow	585	Water Clear	30	1.8	2.1	10~20	8	30	100	30	160
SL903YCH	Yellow	585	Water Clear	30	1.8	2.1	10~20	30	100	100	30	160
SL903YCV	Yellow	585	Water Clear	30	1.8	2.1	10~20	100	250	100	30	160
SL903YCS	Yellow	585	Water Clear	30	1.8	2.1	10~20	250	350	100	30	160
SL903YCU	Yellow	595	Water Clear	30	2.0	2.4	20~30	350	500	100	40	200
SL903OC	Hi.Eff. Red	635	Water Clear	30	2.0	2.8	10~20	12	50	100	30	160
SL903OCH	Hi.Eff. Red	635	Water Clear	30	2.0	2.8	10~20	25	50	100	30	160
SL903OCV	Hi.Eff. Red	620	Water Clear	30	2.1	2.8	10~20	1000	2000	80	30	160
SL903OCU	Hi.Eff. Red	630	Water Clear	30	2.1	2.8	20	2000	2500	80	40	200
SL903RC	Red	700	Water Clear	30	2.1	2.8	5~10	5	15	45	15	50
SL903RCH	Red	660	Water Clear	30	1.8	2.1	10~20	150	500	60	20	160
SL903RCV	Red	660	Water Clear	30	1.8	2.1	10~20	500	700	60	20	160
SL903RCS	Red	660	Water Clear	30	1.8	2.1	10~20	700	1000	60	20	160
SL903RCU	Red	660	Water Clear	30	1.8	2.1	10~20	1000	1250	60	20	160

MODEL SL905

T-1 3/4 (5mm)

WATERCLEAR



Part No.	Emitted Color	Wave Length	Lens Color	View Angle (deg)	Electro-Optical Characteristics					Absolute Max Ratings		
					Vf(V)		If (Rec)	Iv (mcd)		Pd mW	If mA	If mA (Peak)
					Typ.	Max.		Min.	Typ.			
SL905BC	Blue	430	Water Clear	20	4.9	5.5	10~20	300	500	165	30	160
SL905GC	Green	565	Water Clear	30	2.1	2.8	10~20	10	30	100	30	160
SL905GCH	Green	565	Water Clear	30	2.1	2.8	10~20	100	250	100	30	160
SL905GCV	Green	565	Water Clear	30	2.1	2.8	10~20	250	500	100	30	160
SL905GCS	Green	565	Water Clear	30	2.1	2.8	10~20	500	750	100	30	160
SL905YC	Yellow	585	Water Clear	30	2.1	2.8	10~20	10	30	100	30	160
SL905YCH	Yellow	595	Water Clear	30	2.1	2.4	10~20	30	100	120	30	200
SL905YCV	Yellow	595	Water Clear	30	2.1	2.4	10~20	100	250	120	40	200
SL905YCS	Yellow	595	Water Clear	30	2.1	2.4	10~20	250	400	120	40	200
SL905OC	Hi.Eff. Red	635	Water Clear	30	2.0	2.8	10~20	20	60	100	30	160
SL905OCH	Hi.Eff. Red	635	Water Clear	30	2.0	2.8	10~20	60	100	100	30	160
SL905OCV	Hi.Eff. Red	635	Water Clear	30	2.0	2.4	10~20	100	200	100	30	160
SL905OCS	Hi.Eff. Red	635	Water Clear	20	2.0	2.4	10~20	200	250	100	30	160
SL905RC	Red	700	Water Clear	30	2.1	2.8	5~10	8	20	45	15	50
SL905RCH	Red	660	Water Clear	30	1.8	2.1	10~20	300	1000	60	20	160
SL905RCV	Red	660	Water Clear	30	1.8	2.1	10~20	1000	2000	60	20	160
SL905RCS	Red	660	Water Clear	30	1.8	2.1	10~20	2000	3000	60	20	160

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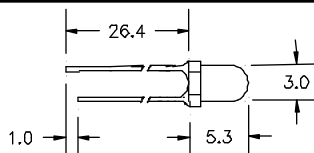


Discrete LED Products - Diffused

MODEL SL903

T-1 (3mm)

DIFFUSED

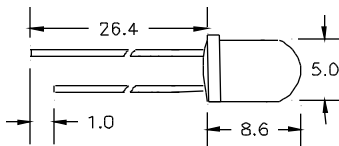


Part No.	Emitted Color	Wave Length	Lens Color	View Angle (deg)	Electro-Optical Characteristics					Absolute Max Ratings		
					Typ	Max.	If mA	Iv (mcd)		Pd mW	If mA	If mA (Peak)
SL903GD	Green	565	Green Diffused	60	2.1	2.8	20	2.5	12.5	100	30	160
SL903GDH	Green	565	Green Diffused	60	2.1	2.8	20	12.5	30.0	100	30	160
SL903GDV	Green	565	Green Diffused	60	2.1	2.8	20	30.0	60.0	100	30	160
SL903GDS	Green	565	Green Diffused	60	2.1	2.8	20	60.0	90.0	100	30	160
SL903YD	Yellow	585	Yellow Diffused	60	2.1	2.8	20	2.5	12.5	100	30	160
SL903YDH	Yellow	585	Yellow Diffused	60	2.1	2.8	20	12.5	30.0	100	30	160
SL903YDV	Yellow	585	Yellow Diffused	60	2.1	2.8	20	30.0	60.0	100	30	160
SL903OD	Hi. Eff. Red	635	Red Diffused	60	2.0	2.8	20	3.0	20.0	100	30	160
SL903ODO	Hi. Eff. Red	635	Orange Diffused	60	2.0	2.8	20	3.0	20.0	100	30	160
SL903RD	Red	700	Red Diffused	60	2.1	2.8	10	0.8	5.0	45	15	50
SL903RDH	Red	660	Red Diffused	60	1.8	2.1	20	50.0	100	60	30	160
SL903RDV	Red	660	Red Diffused	60	1.8	2.1	20	100	200	60	30	160
SL903RDS	Red	660	Red Diffused	60	1.8	2.1	20	200	300	60	30	160

MODEL SL905

T-1 3/4 (5mm)

DIFFUSED

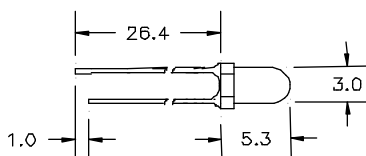


Part No.	Emitted Color	Wave Length	Lens Color	View Angle (deg)	Electro-Optical Characteristics				Absolute Max Ratings		
					Vf (V)		Iv (mcd)		Pd mW	If mA	If mA (Peak)
SL905GD	Green	565	Green Diffused	60	Typ.	Max.	Min.	Typ.			
SL905GDH	Green	565	Green Diffused	60	2.1	2.8	3	15	100	30	160
SL905GDV	Green	565	Green Diffused	60	2.1	2.8	15	40	100	30	160
SL905GDS	Green	565	Green Diffused	60	2.1	2.8	40	80	100	30	160
SL905YD	Yellow	585	Yellow Diffused	60	2.1	2.8	80	120	100	30	160
SL905YDH	Yellow	585	Yellow Diffused	60	2.1	2.8	5	20	100	30	160
SL905YDV	Yellow	595	Yellow Diffused	60	2.1	2.4	20	40	100	30	160
SL905YDS	Yellow	595	Yellow Diffused	60	2.1	2.4	40	80	120	40	200
SL905YDU	Yellow	595	Yellow Diffused	60	2.1	2.4	80	120	120	40	200
SL905OD	Hi. Eff. Red	635	Red Diffused	60	2.1	2.8	120	160	120	40	200
SL905ODH	Hi. Eff. Red	635	Red Diffused	60	2.1	2.8	5	20	100	20	160
SL905ODV	Hi. Eff. Red	620	Red Diffused	60	2.1	2.8	20	40	100	30	160
SL905ODS	Hi. Eff. Red	620	Red Diffused	60	2.0	2.4	40	80	120	40	200
SL905ODU	Hi. Eff. Red	620	Red Diffused	60	2.0	2.4	80	120	120	40	200
SL905RD	Red	700	Red Diffused	60	2.0	2.4	120	160	120	40	200
SL905RDH	Red	660	Red Diffused	60	1.7	2.8	0.8	5	45	15	50
SL905RDV	Red	660	Red Diffused	60	1.8	2.1	50	200	60	20	160
SL905RDS	Red	660	Red Diffused	60	1.8	2.1	200	300	60	20	160
SL905RDU	Red	660	Red Diffused	60	1.8	2.1	300	400	60	20	160
SL905RDS	Red	660	Red Diffused	60	1.8	2.1	400	500	60	20	160



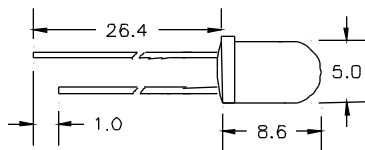
Discrete LED Products - Ultra Bright

MODEL SL903 T-1 (3mm) ULTRA BRIGHT



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.				
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

MODEL SL905 T-1 3/4 5(MM) ULTRA BRIGHT



Part No.	Chip		Wave Length	Lens Color	View Angle (deg)	Electro-Optical Characteristics			Absolute Max Ratings		
	Raw Material	Emitted Color				Vf(V)		IV(mod)	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