

## SMD LED LAMP

### 1.8mm Series

	Part Number	Chip		Lens Color	Reverse Current TYP.	Electro-Optical Characteristics				Viewing Angle (degree)
		Emitted color	λ P(nm)			Vf(V)at If=20mA		Iv(mcd)at If=20mA		
						MIN	MAX	MIN	MAX	
	S1033RSD	RED	660	D.	10uA	1.7	2.4	40	100	50
	S1033RHD	RED	635	D.	10uA	2	2.8	10	15	
	S1033YHD	YELLOW	585	D.	10uA	2	2.8	9	14	
	S1033YGHD	YELLOW GREEN	565	D.	10uA	2.1	2.8	2.3	3.5	

### 155 Series

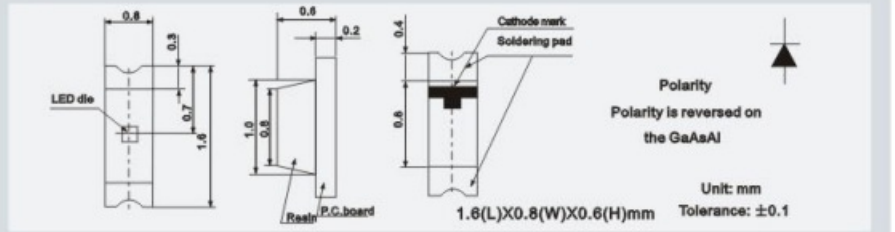
	Part Number	Chip		Lens color	Reverse Current TYP.	VF IF=20mA		Iv(mcd) IF=20mA	View Angle
		Emitted color	λ P(nm)			MIN	MAX	TYP	
	S155RYGHC	RED	660	W. C.	10uA	1.8	2.3	19	140
		YELLOW GREEN	565			2.1	2.5	13	
	S155RYGSC	RED	640		10uA	1.9	2.4	52	
		YELLOW GREEN	575		10uA	2.1	2.6	37	
	S155OYGHC	ORANGE	635		10uA	2	2.5	10	
		YELLOW GREEN	565		10uA	2.2	2.7	16	
	S155AYGHC	AMBER	610		10uA	2	2.5	11	
		YELLOW GREEN	565		10uA	2.2	2.7	16	
	S155PGBSC	GREEN	525		10uA	3.2	3.6	120	
		BLUE	460		10uA	3.4	4	52	

### 175 Series

	S175RYGHC	RED	660	W. C.	10uA	1.8	2.3	19	140
		YELLOW GREEN	565			10uA	2.1	2.5	
	S175RYGSC	RED	640		10uA	1.9	2.4	52	
		YELLOW GREEN	575		10uA	2.1	2.6	37	
	S175OYGHC	ORANGE	635		10uA	2	2.5	10	
		YELLOW GREEN	565		10uA	2.2	2.7	16	
	S175AYGHC	AMBER	610		10uA	2	2.5	11	
		YELLOW GREEN	565		10uA	2.2	2.7	16	
	S175PGBSC	GREEN	525		10uA	3.2	3.6	120	
		BLUE	460		10uA	3.4	4	52	

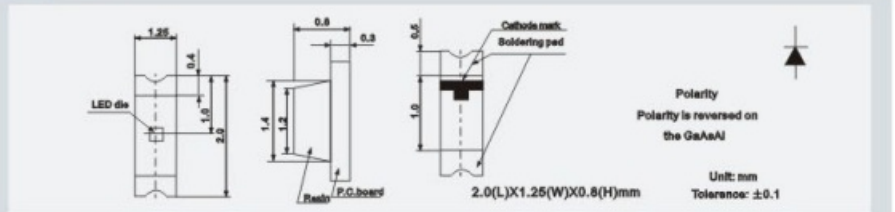
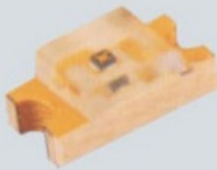
Part Number	Chip		Lens color	V <sub>F</sub>	I <sub>F</sub> =20mA		Reverse Current TYP.	power Dissipation TYP.	I <sub>v</sub> (mcd) I <sub>F</sub> =20mA			View Angle
	Emitted color	λ P (nm)			MIX	TYP			MAX	MIX	TYP	

### 0603 SMD LED LAMP



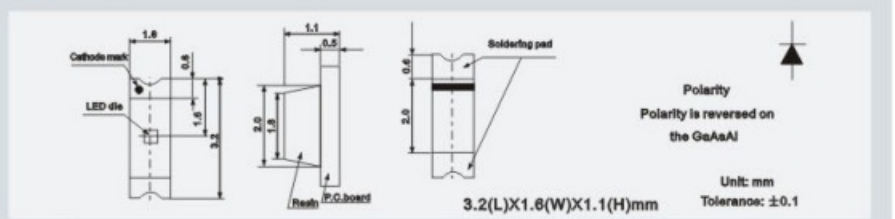
S0603OSC	orange	608	w.c	2.0	2.3	2.5	10 μ A	70mW	---	70	---	125
S0603RHC	red	660	w.c	---	1.8	2.5	10 μ A	60mW	---	30	---	125
S0603RUC	red	640	w.c	---	2.0	2.5	10 μ A	60mW	---	75	---	125
S0603YGSC	Yellow green	575	w.c	---	2.0	2.5	10 μ A	60mW	---	60	---	125
S0603YGHC	Yellow green	573	w.c	---	2.1	2.5	10 μ A	60mW	---	25	---	125
S0603PGUC	green	522	w.c	---	3.3	4.0	10 μ A	60mW	---	150	---	125
S0603YUC	yellow	596	w.c	---	2.0	2.5	10 μ A	60mW	---	100	---	125
S0603BUC	blue	465	w.c	---	3.3	4.0	10 μ A	60mW	---	65	---	125
S0603WUC	white	0.27 0.28	w.c	---	3.3	4.0	10 μ A	70mW	---	250	---	125

### 0805 SMD LED LAMP



S0805BUC	blue	465	w.c	---	3.3	4.0	10 μ A	70mW	---	70	---	125
S0805RSC	red	640	w.c	---	2.0	2.5	10 μ A	60mW	---	80	---	125
S0805RHC	red	660	w.c	---	1.8	2.5	10 μ A	60mW	---	30	---	125
S0805YGHC	yellow green	575	w.c	---	2.0	2.5	10 μ A	60mW	---	60	---	125
S0805PGUC	green	516	w.c	---	3.3	4.0	10 μ A	70mW	---	150	---	125
S0805WUC	white	0.27 0.28	w.c	---	3.3	4.0	10 μ A	70mW	---	250	---	135
S0805OSC	orange	608	w.c	---	2.0	2.5	10 μ A	60mW	---	75	---	135
S0805YSC	yellow	596	w.c	---	2.0	2.5	10 μ A	60mW	---	105	---	125

### 1206 SMD LED LAMP

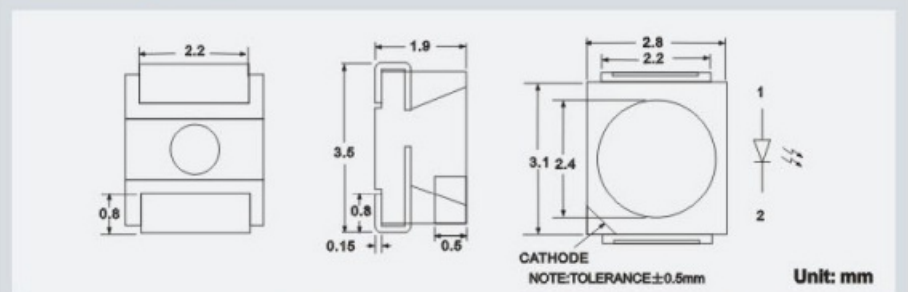


S1206RHC	red	660	w.c	---	1.8	2.5	10 μ A	60mW	---	35	---	125
S1206RSC	red	640	w.c	---	2.0	2.5	10 μ A	70mW	---	90	---	125
S1206BUC	blue	465	w.c	---	3.3	4.0	10 μ A	70mW	---	75	---	125
S1206PGUC	green	516	w.c	---	2.3	4.0	10 μ A	70mW	---	160	---	128
S1206YSC	yellow	596	w.c	---	2.0	2.5	10 μ A	60mW	---	110	---	125



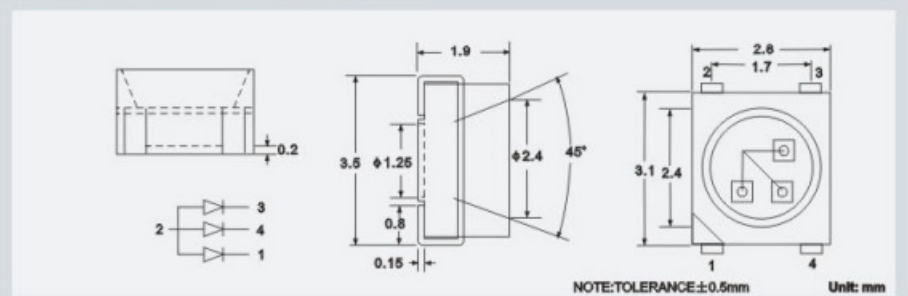
Part Number	Chip		Lens color	V <sub>F</sub> I <sub>F</sub> =20mA			Reverse Current TYP.	Peak Forward Current MAX.	power Dissipation TYP.	I <sub>v</sub> (mcd) I <sub>F</sub> =20mA			View Angle
	Emitted color	λ P (nm)		MIX	TYP	MAX				MIX	TYP	MAX	

## TOP SMD LED LAMP



S03WHC	WHITE	---	w.c	2.8	3.2	3.6	10 μA	200mA	100mW	---	33	---	120
S03YHC	YELLOW	590	w.c	2.0	2.1	2.5	10 μA	200mA	100mW	---	67	---	120
S03YGHC	YELLOW GREEN	570	w.c	2.0	2.2	2.5	10 μA	200mA	100mW	---	27	---	120
S03RHC	RED	640	w.c	1.7	1.8	2.1	10 μA	200mA	100mW	---	40	---	120
S03BHC	BLUE	470	w.c	2.8	3.2	3.6	10 μA	200mA	100mW	---	37	---	120
S03PGSC	GREEN	525	w.c	2.8	3.2	3.6	10 μA	200mA	100mW	---	95	---	120
S03WSC	WHITE	---	w.c	2.8	3.3	4.0	10 μA	200mA	100mW	320	450	---	130
S03OSC	ORANGE	608	w.c	1.9	2.0	2.5	10 μA	200mA	75mW	200	250	---	120
S03RSC	RED	630	w.c	1.8	2.0	2.5	10 μA	200mA	75mW	80	120	---	120
S03BSC	BLUE	465	w.c	2.8	3.3	3.8	10 μA	200mA	100mW	50	80	---	120

## FULL COLOR TOP LED LAMP



S03RBYGSC	RED	640	w.c	1.7	1.8	2.1	10 μA	200mA	100mW	---	47	---	120
	YELLOW GREEN	570	w.c	2.0	2.2	2.5	10 μA	200mA	100mW	---	20	---	120
	BLUE	470	w.c	2.8	3.2	3.6	10 μA	200mA	100mW	---	18	---	120
S03RBGUC	RED	625	w.c	1.8	2.0	2.5	10 μA	200mA	100mW	80	120	---	120
	GREEN	520	w.c	3.0	3.2	3.8	10 μA	200mA	80mW	150	200	---	120
	BLUE	470	w.c	3.0	3.3	3.8	10 μA	200mA	80mW	60	75	---	120

**Note:**

- 1.All dimendions are in millimeters
- 2.Tolerance is +0.2mm unless otherwiss specified
- 3.protruded resin under flange is 1.5mm MAX

- 4.Specifications are subject to change without notice
- 5.Angle Tolerance id's +2.5 Degree unless otherwiss specified