

5-2-1 Single-color Surface mount

■ Absolute Maximum Ratings

(Ta=25°C)

Parameter	Unit	Ratings						Conditions
		GaP	GaAsP	GaAlAs	AlGaInP	InGaN	GaN	
I _F	mA	30						
ΔI _F	mA/°C	-0.45						Above 25° C
I _{FP}	mA	70						f=1kHz, tw≤100μs
V _R	V	4				5		
Top	°C	-30~+85				-25~+85		
Tstg	°C	-30~+100						

Shape	Part No.	Emitting Color	Lens Color	Forward Voltage V _F		Electro-Optical Characteristics (Ta=25°C)				Fig. No.
				I _F =10mA (V)		Intensity		Peak Wave-length λ _P (nm)	Chip Material	
				typ	max	I _V (mcd)	Conditions			
							I _F (mA)	I _F		
Flat lens type	SEC1101C	Deep red	Clear	2.0	2.5	1.5	20	700	GaP	40
	SEC1601C	High-intensity red	Clear	1.7	2.2	100	20	660	GaAlAs	
	SEC1201C	Red	Clear	1.9	2.5	10	20	630	GaAsP	
	SEC1801C	Amber	Clear	1.9	2.5	16	20	610	GaAsP	
	SEC1901C	Orange	Clear	1.9	2.5	13	20	587	GaAsP	
	SEC1701C-YG	Yellow	Clear	2.0	2.5	25	20	570	GaP	
	SEC1401C	Green	Clear	2.0	2.5	22	20	560	GaP	
	SEC1401E-TG	Deep green	Transparent green	2.0	2.5	11	20	558	GaP	
	SEC1501C	Pure green	Clear	2.0	2.5	8.0	20	555	GaP	
	SECU1D01C	Ultra-high-intensity pure green	Clear	3.3	4.0	150	20	525	InGaN	
	SECU1E01C	Ultra-high-intensity blue	Clear	3.3	4.0	50	20	470	InGaN	
	SEC1E01C	Blue	Clear	3.9	4.8	6.0	20	430	GaN	
Inner lens type	SEC1603C	High-intensity red	Clear	1.7	2.2	150	20	660	GaAlAs	41
	SECS1203C	Ultra-high-intensity red	Clear	1.9	2.5	100	20	635	AlGaInP	
	SEC1203C	Red	Clear	1.9	2.5	15	20	630	GaAsP	
	SECS1803C	Ultra-high-intensity amber	Clear	1.9	2.5	10	3	615	AlGaInP	
	SEC1803C	Amber	Clear	1.9	2.5	20	20	610	GaAsP	
	SECS1903C	Ultra-high-intensity orange	Clear	1.9	2.5	10	3	590	AlGaInP	
	SEC1903C	Orange	Clear	1.9	2.5	15	20	587	GaAsP	
	SEC1703C	Yellow	Clear	2.0	2.5	35	20	570	GaP	
	SEC1403C	Green	Clear	2.0	2.5	33	20	560	GaP	
	SEC1403E-TG	Deep green	Transparent green	2.0	2.5	15	20	558	GaP	
	SEC1503C	Pure green	Clear	2.0	2.5	10	20	555	GaP	
Miniature (t=0.55mm)	SECU1E05C	Blue	Clear	3.4	4.0	40	20	468	InGaN	42
	SECU1J05C	Blue-green	Clear	3.3	4.0	210	20	500	InGaN	
	SECU1D05C	Pure green	Clear	3.3	4.0	280	20	525	InGaN	
	SECU1905C	Orange	Clear	1.9	1.9	80	20	591	AlGaInP	
	SECU1805C	Amber	Clear	1.9	1.9	100	20	611	AlGaInP	
	SECU1205C	Red	Clear	1.9	1.9	90	20	632	AlGaInP	
Miniature (t=0.7mm)	SEC1E07C	Blue	Clear	4.0	4.8	10	20	430	GaN	43
	SECS1E07C	Blue	Clear	3.6	4.3	30	20	468	InGaN	
	SECS1L07C	Aqua-blue	Clear	3.6	4.3	90	20	488	InGaN	
	SECS1D07C	Pure green	Clear	3.6	4.3	140	20	523	InGaN	
	SECU1407C	Green	Clear	2.2	2.5	15	20	560	AlGaInP	
	SECU1707C	Yellow	Clear	2.2	2.5	30	20	572	AlGaInP	
	SECS1B07C	Light amber	Clear	1.9	2.5	90	20	600	AlGaInP	

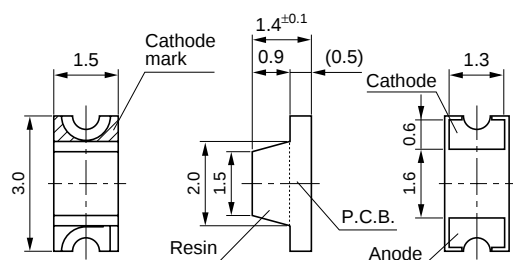
5-2-2 Bicolor Surface mount

Shape	Part No.	Emitting Color	Lens Color	Electro-Optical Characteristics (Ta=25°C)					Fig. No.
				Forward Voltage V _F		Intensity		Peak Wave-length λ _P	
				I _F =10mA (V)		I _V (mcd)	Conditions I _F (mA)	(mm)	
Flat lens type	SEC2422C	Red	Clear	1.9	1.9	2.5	20	630	44
		Green		2.0	2.0	2.5	20	560	
	SEC2442C	Green	Clear	2.0	2.0	2.5	20	560	
		Green		2.0	2.0	2.5	20	560	
	SEC2462C	High-intensity red	Clear	1.7	1.7	2.2	20	660	
		Green		2.0	2.0	2.5	20	560	
	SEC2492C	Orange	Clear	1.9	1.9	2.5	20	587	
		Green		2.0	2.0	2.5	20	560	
	SEC2552C	Pure green	Clear	2.0	2.0	2.5	20	555	
		Pure green		2.0	2.0	2.5	20	555	
	SEC2592C	Orange	Clear	1.9	1.9	2.5	20	587	
		Pure green		2.0	2.0	2.5	20	555	
Inner lens type	SEC2762C-YG	High-intensity red	Clear	1.7	1.7	2.2	20	660	45
		Yellow		2.0	2.0	2.5	20	570	
	SEC2484C	Amber	Clear	1.9	1.9	2.5	20	610	
		Green		2.0	2.0	2.5	20	560	
	SEC2554C	Pure green	Clear	2.0	2.0	2.5	20	555	
		Pure green		2.0	2.0	2.5	20	555	
	SEC2494C	Orange	Clear	1.9	1.9	2.5	20	587	
		Green		2.0	2.0	2.5	20	560	
	SEC2764C	High-intensity red	Clear	1.7	1.7	2.2	20	660	
		Yellow		2.0	2.0	2.5	20	570	
	SEC2774C	Yellow	Clear	2.0	2.0	2.5	20	570	
		Yellow		2.0	2.0	2.5	20	570	

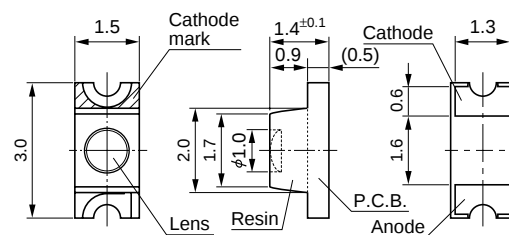
External Dimensions (unit: mm)

(General tolerance: ± 0.3)

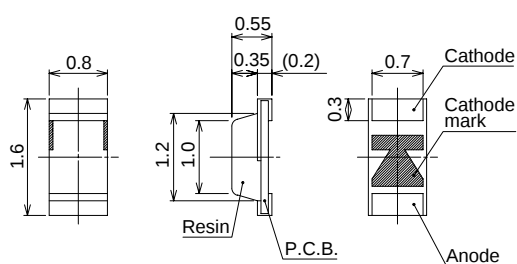
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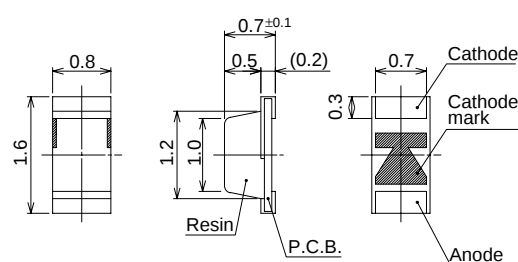
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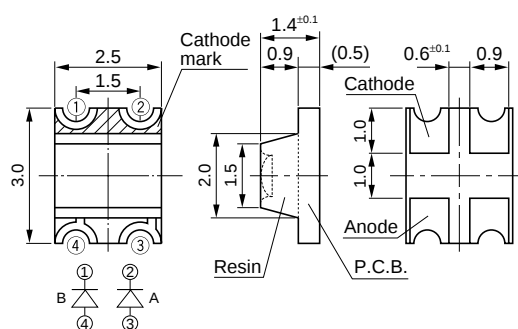
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