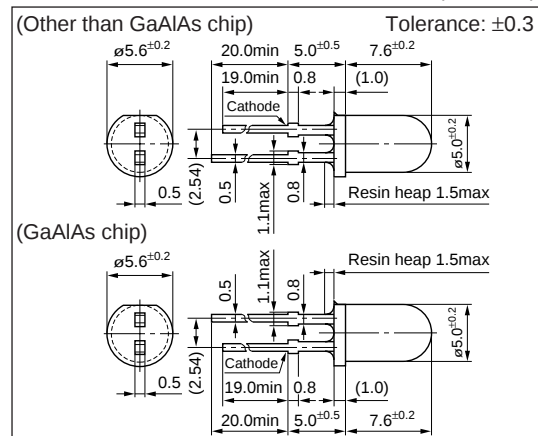


5 ϕ Round Standard LED (With Stopper)

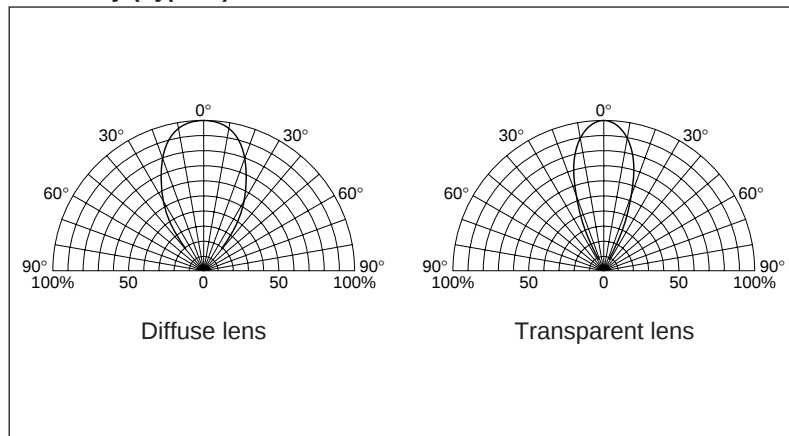
SEL1010 Series

External Dimensions

(Unit: mm)



Directivity (Typical)



Absolute maximum ratings (Ta=25°C)

Symbol	Unit	Rating	Condition
I_F	mA	30	
ΔI_F	mA/°C	-0.45	Above 25°C
I_{FP}	mA	100	f=1kHz, $t_w \leq 100\mu s$
V_R	V	3	
Top	°C	-30 to +85	
Tstg	°C	-30 to +100	

Electrical Optical characteristics (Ta=25°C)

Emitting color	Part Number	Lens color	Forward voltage			Reverse current		Intensity		Peak wavelength		Spectrum half width		Chip material
			V _F		Condition I _F (mA)	I _R (μA)	Condition V _R (V)	I _V (mcd)	Condition I _F (mA)	λ _P (nm)	Condition I _F (mA)	Δλ (nm)	Condition I _F (mA)	
			typ	max										
Deep red	SEL1110R	Diffused red	2.0	2.5	10	50	3	2.8	5	700	10	100	10	GaP
	SEL1110W	Diffused white						2.8						
	SEL1110S	Transparent red						4.5						
High-intensity red	SEL1610W	Diffused white	1.75	2.2	10	100	3	1000	20	660	10	30	10	GaAlAs
	SEL1610C	Clear						1200						
Red	SEL1210R	Diffused red	1.9	2.5	10	50	3	26	20	630	10	35	10	GaAsP
	SEL1210S	Transparent red						75						
Amber	SEL1810D	Diffused orange	1.9	2.5	10	50	3	18	10	610	10	35	10	
	SEL1810A	Transparent orange						37						
Orange	SEL1910D	Diffused orange	1.9	2.5	10	50	3	14	10	587	10	33	10	
	SEL1910A	Transparent orange						25						
Yellow	SEL1710Y	Diffused yellow	2.0	2.5	10	50	3	22	10	570	10	30	10	GaP
	SEL1710K	Transparent yellow						65						
Green	SEL1410G	Diffused green	2.0	2.5	10	50	3	32	20	560	10	20	10	
	SEL1410E	Transparent green						84						
Pure green	SEL1510C	Clear	2.0	2.5	10	50	3	50	20	555	10	20	10	