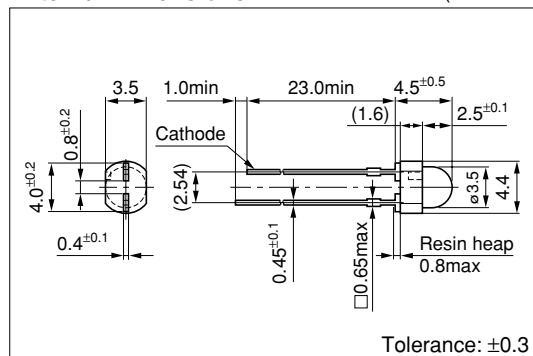


3 ϕ Round Wide-directivity LED (Direct Mount)

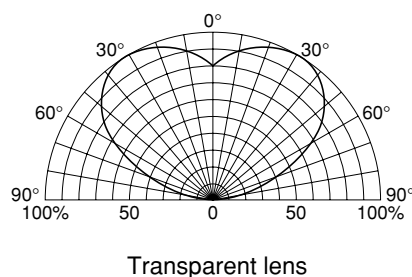
SEL6014 Series

External Dimensions

(Unit: mm)



Directivity (Typical)



Absolute maximum ratings (Ta=25°C)

Symbol	Unit	Rating			Condition
		GaAsP/GaP	AlGaInP	InGaN	
I _F	mA	30			
ΔI _F	mA/°C	-0.45			Above 25°C
I _{FP}	mA	100			f=1kHz, tw≤100μs
V _R	V	3	5		
Top	°C	-30 to +85		-25 to +85	
Tstg	°C	-30 to +100			

Electrical Optical characteristics (Ta=25°C)

Emitting color	Part Number	Lens color	Forward voltage		Condition I _F (mA)	Reverse current		Intensity		Peak wavelength		Spectrum half width		Chip material
			V _F (V)	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	
Red	SEL6214S	Transparent red	1.9	2.5	10	50	3	18	20	630	10	35	10	GaAsP
Amber	SEL6814A	Transparent orange	1.9	2.5	10	50	3	9.0	10	610	10	35	10	
Ultra-high-intensity light amber	SELS6B14C	Clear	2.0	2.5	20	10	5	120	20	600	20	15	20	AlGaInP
Orange	SEL6914A	Transparent orange	1.9	2.5	10	50	3	8.0	10	587	10	33	10	GaAsP
	SEL6914W	Diffused white						5.0						
Yellow	SEL6714K	Transparent yellow	2.0	2.5	10	50	3	66	20	570	10	30	10	GaP
	SEL6714W	Diffused white						30						
Green	SEL6414E	Transparent green	2.0	2.5	10	50	3	42	20	560	10	20	10	
Deep green	SEL6414E-TG	Transparent green						18		558				
Pure green	SEL6514C	Clear	2.0	2.5	10	50	3	12	20	555	10	20	10	
Ultra-high-intensity deep red	SELU6614C-S*	Clear	2.0	2.5	20	10	5	150	20	650	20	20	20	AlGaInP
Ultra-high-intensity red	SELU6214C	Clear	2.0	2.5	20	10	5	180	20	635	20	15	20	AlGaInP
Ultra-high-intensity amber	SELU6814C	Clear	2.0	2.5	20	10	5	230	20	615	20	15	20	AlGaInP
Ultra-high-intensity orange	SELU6914C-S*	Clear	2.0	2.5	20	10	5	180	20	591	20	15	20	AlGaInP
Ultra-high-intensity yellow	SELU6714C	Clear	2.1	2.5	20	10	5	60	20	572	20	15	20	AlGaInP
Ultra-high-intensity green	SELU6414C*	Clear	2.2	2.5	20	10	5	30	20	560	20	20	20	AlGaInP
Ultra-high-intensity pure green	SELS6D14C*	Clear	3.3	4.0	20	10	5	300	20	525	20	35	20	InGaN
Ultra-high-intensity blue	SELS6E14C*	Clear	3.3	4.0	20	10	5	70	20	468	20	25	20	InGaN

*: Now preparing for mass production