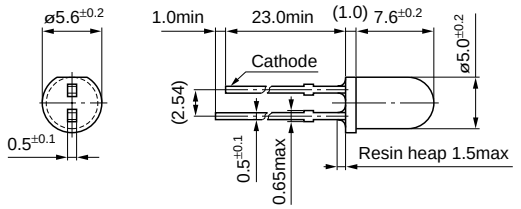
5ϕ Round Standard LED

SEL1010M Series

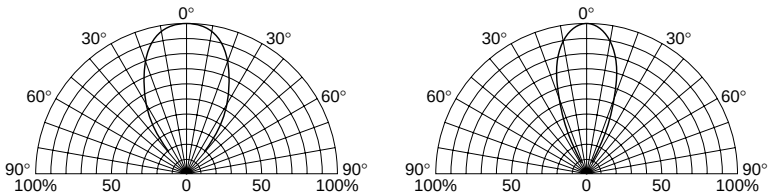
External Dimensions

(Unit: mm)



Tolerance: ±0.3

Directivity (Typical)



Diffuse lens

Transparent lens

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, tw≤100μs
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 V_F (V) typ	Forward voltage V_F (V) max	Condition I_F (mA)	Reverse current I_R (μA) max	Condition V_R (V)	Intensity I_V (mcd) typ	Condition I_F (mA)	Peak wavelength λP (nm) typ	Condition I_F (mA)	Spectrum half width Δλ (nm) typ	Condition I_F (mA)	Chip material
Red	SEL1210RM	Diffused red	1.9	2.5	10	50	3	36	20	630	10	35	10	GaAsP
	SEL1210SM	Transparent red						75						
Amber	SEL1810DM	Diffused orange	1.9	2.5	10	50	3	18	10	610	10	35	10	
	SEL1810AM	Transparent orange						37						
Orange	SEL1910DM	Diffused orange	1.9	2.5	10	50	3	19	10	587	10	33	10	
	SEL1910AM	Transparent orange						34						
Yellow	SEL1710KM	Transparent yellow	2.0	2.5	10	50	3	65	10	570	10	30	10	GaP
Green	SEL1410GM	Diffused green	2.0	2.5	10	50	3	30	20	560	10	20	10	
	SEL1410EM	Transparent green						84						
Pure green	SEL1510CM	Clear	2.0	2.5	10	50	3	50	20	555	10	20	10	