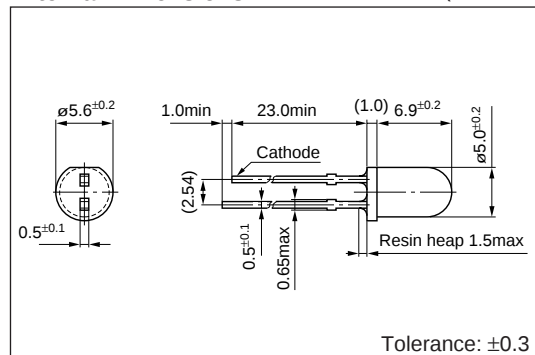


5 ϕ Round Wide-directivity LED

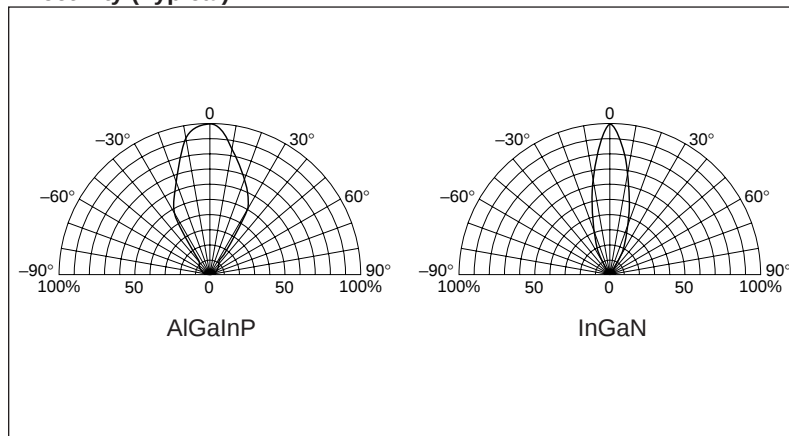
SEL1010XM Series

External Dimensions

(Unit: mm)



Directivity (Typical)



Absolute maximum ratings ($T_a=25^\circ\text{C}$)

Symbol	Unit	Rating		Condition
		AlGaInP	InGaN	
I_F	mA	30		
ΔI_F	mA/ $^\circ\text{C}$	-0.45		Above 25°C
I_{FP}	mA	100		$f=1\text{kHz}$, $t_w \leq 100\mu\text{s}$
V_R	V	4	5	
Top	$^\circ\text{C}$	-30 to +85	-25 to +85	
Tstg	$^\circ\text{C}$	-30 to +100		

Electrical Optical characteristics ($T_a=25^\circ\text{C}$)

Emitting color	Part Number	Lens color	Forward voltage			Reverse current		Intensity		Peak wavelength		Spectrum half width		Chip material
			V _F (V)	Condition	I _R	Condition	I _V	Condition	λ _P	Condition	Δλ	Condition		
				I _F	(μA)	V _R	(mcd)	I _F	I _F	(nm)	I _F	(nm)	I _F	
			typ	max	(mA)	max	(V)	typ	(mA)	typ	(mA)	typ	(mA)	
Ultra-high-intensity red	SELU1210CXM	Clear	2.0	2.5	10	100	4	280	20	635	10	15	10	AlGaInP
Ultra-high-intensity amber	SELU1810CXM	Clear						570	20	615	10	15	10	
Ultra-high-intensity pure green	SELU1D10CXM	Clear	3.3	4.0	20	10	5	2000	20	525	10	35	10	InGaN
Ultra-high-intensity blue	SELU1E10CXM	Clear						600	20	470	10	35	10	