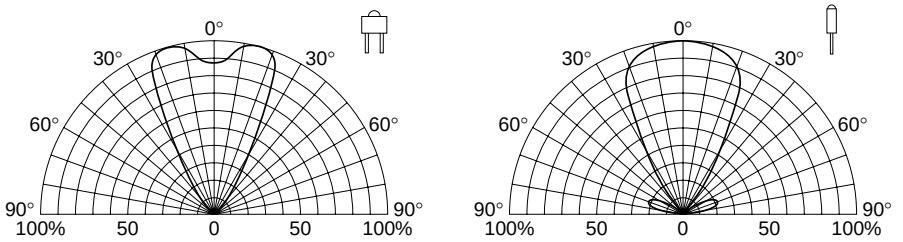
■5mm Pitch Lead Bow Shaped LEDs

SEL5023 Series (available as Direct Mount)

	Part Number	Emitting Color		Lens Color	Forward Voltage VF (V) TYP	MAX	Conditions IF (mA)	Luminous Intensity Iv (mcd) TYP	Conditions IF (mA)	Peak Wavelength λP (nm) TYP	Conditions IF (mA)	Dominant Wavelength λd (nm) TYP	Conditions IF (mA)	Spectrum Half Bandwidth Δλ (nm) TYP	Conditions IF (mA)	Chip Material
	SEL5223S	Red		Transparent red	1.9	2.5	10	25	20	630	10	620	10	35	10	GaAsP
	SEL5823A	Amber		Transparent orange	1.9	2.5	10	35	20	610	10	605	10	35	10	GaAsP
	SEL5923A	Orange		Transparent orange	1.9	2.5	10	35	20	587	10	590	10	33	10	GaAsP
	SEL5723C	Yellow		Water clear	2.0	2.5	10	60	20	570	10	571	10	30	10	GaP
	SEL5423E	Green		Transparent green	2.0	2.5	10	40	20	560	10	567	10	20	10	GaP
	SEL5523C	Pure green		Water clear	2.0	2.5	10	13	20	555	10	559	10	20	10	GaP
	SEL5E23C	Blue		Water clear	4.0	4.8	20	20	20	430	20	466	20	65	20	GaN
	SELK5E23C-D	High luminosity	Blue	Water clear	3.6	4.0	20	60	20	468	20	470	20	30	20	GaN on Si
	SELU5223C-S	Ultrahigh luminosity	Red	Water clear	2.0	2.5	20	100	20	635	20	625	20	15	20	AlGaInP
	SELU5823A-S		Amber	Transparent orange	2.0	2.5	20	200	20	611	20	605	20	17	20	AlGaInP
	SELS5B23C		Light amber	Water clear	2.0	2.5	20	135	20	600	20	596	20	15	20	AlGaInP
	SELU5923C-S		Orange	Water clear	2.0	2.5	20	145	20	591	20	590	20	15	20	AlGaInP
	SELU5723C		Yellow	Water clear	2.0	2.5	20	155	20	572	20	571	20	15	20	AlGaInP
*	SELT5D23C-S		Pure green	Water clear	3.3	4.0	20	600	10	512	20	520	20	35	20	InGaN
	SELS5L23C-S		Aqua blue	Water clear	3.6	4.0	20	600	20	483	20	487	20	30	20	InGaN
	SELT5E23C-S		Blue	Water clear	3.3	4.0	20	130	10	460	20	465	20	25	20	InGaN

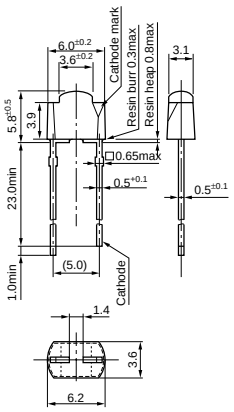
* Mass production in preparation

Directional Characteristics (representative example)



External Dimensions (Unit: mm)

Dimensional Tolerance: ±0.3



Product Mass: Approx. 0.23 g

Absolute Maximum Ratings

●Visible Light Unicolor Lamp

Parameter	Unit	Ratings						Conditions
		GaP	GaAsP	GaAlAs	AlGaInP	InGaN	GaN	
P_D	mW	75				120		
I_F	mA	30						
ΔIF	mA/°C	−0.45						25°C or higher
IFP	mA	100					70	f=1kHz, tw≤100μs
VR	V	3			5			
Top	°C	−30 to +85					−30 to +80	
Tstg	°C	−30 to +100						

●Visible Light Bicolor Lamp

Parameter	Unit	Ratings					Conditions
		GaP	GaAsP	GaAlAs	AlGaInP	InGaN	
P_D	mW	75				120	Same conditions for simultaneous lighting
I_F	mA	30					
ΔIF	mA/°C	−0.45					25°C or higher
IFP	mA	100					f=1kHz, tw≤100μs
VR	V	4			5		
Top	°C	−30 to +85					
Tstg	°C	−30 to +100					

●Visible Light Unicolor Surface Mount LEDs

Parameter	Unit	Ratings						Conditions
		GaP	GaAsP	GaAlAs	AlGaInP	InGaN	GaN	
I_F	mA	30				20		
ΔIF	mA/°C	−0.45				−0.27		25°C or higher
IFP	mA	100*1				70*2		f=1kHz, tw≤100μs
VR	V	3			5			
Top	°C	−30 to +85				−30 to +80		
Tstg	°C	−30 to +100						

*1: 70mA for SEC1005/1007 Series
*2: 50mA for SEC1005/1007 Series

●Visible Light Bicolor Surface Mount LEDs

Parameter	Unit	Ratings	Conditions
		SEC2002/2004	
P_D	mW	75	
		(Same conditions for simultaneous lighting)	
I_F	mA	30	
ΔIF	mA/°C	−0.45	25°C or higher
IFP	mA	70	f=1kHz, tw≤100μs
VR	V	4	
Top	°C	−30 to +85	
Tstg	°C	−30 to +100	

●Visible Light Three Element Surface Mount LEDs

Parameter	Unit	Ratings		Conditions
		SECT3M02C-S		
		Red	Green/Blue	
P_D	mW	75	120	When one chip lights up (same as green/blue for simultaneous lighting)
I_F	mA	30		
ΔIF	mA/°C	−0.45		25°C or higher
IFP	mA	70	50	f=1kHz, tw≤100μs
VR	V	5		
Top	°C	−30 to +80		
Tstg	°C	−30 to +100		