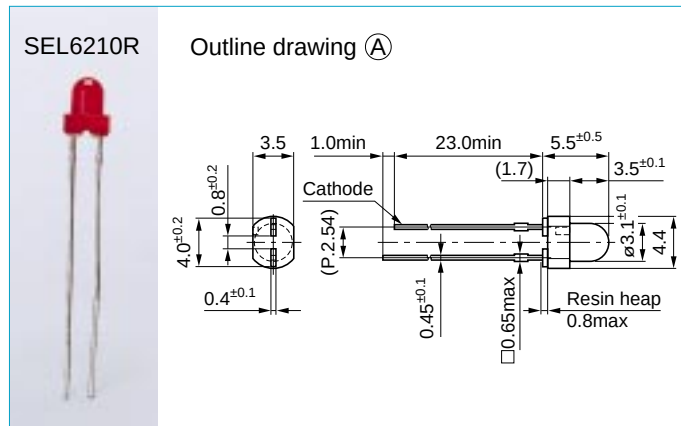
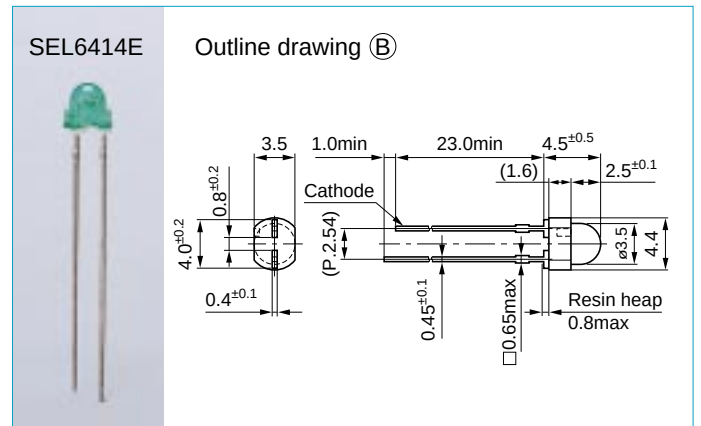


Round-type contact mount LEDs (for automatic insertion)

SEL6010 series (Standard type)



SEL6014 series (Wide viewing angle)

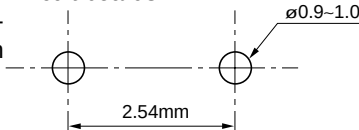


Absolute maximum ratings (Ta=25°C)

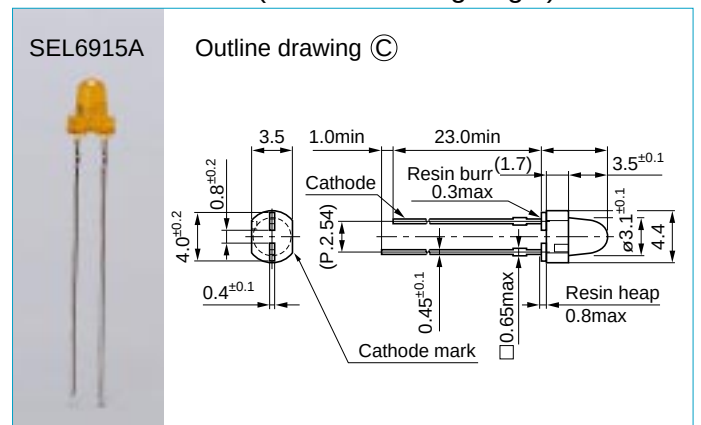
Symbol	Unit	Ratings
I _F	mA	30
I _{FP}	mA	100
V _R	V	3
Top	°C	-30 to +85
Tstg	°C	-30 to +100

SEL6000 series LEDs packaged on tapes can withstand shocks caused by insertion machines; Thus, they can be contact-mounted automatically on circuit boards.

Recommended dimensions of insertion holes on printed circuit boards



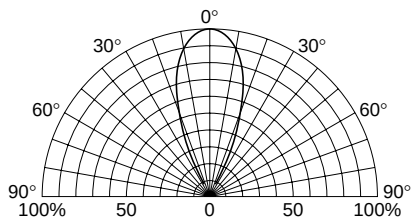
SEL6015 series (Narrow viewing angle)



External dimensions: Unit: mm Tolerance: ± 0.3

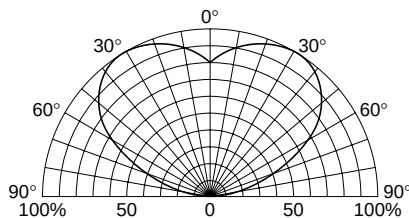
Viewing angle

SEL6010 series



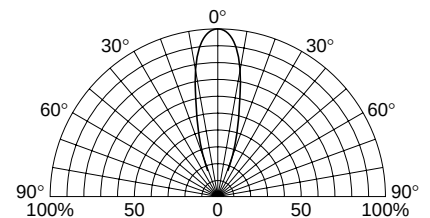
Viewing angle of a non-diffused lens

SEL6014 series

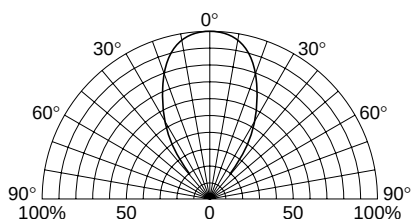


Viewing angle of a non-diffused lens

SEL6015 series



Viewing angle of a non-diffused lens



Viewing angle of a diffused lens

Type No.	Display form (ϕ : mm)	Type of lens	Emitting color	Electro-optical characteristics (Ta=25°C)									Outline drawing			
				V _F (V)		Condition I _F (mA)	I _R (μ A)	Condition V _R (V)	I _V (mcd)	Condition I _F (mA)	λ_p	$\Delta\lambda$				
				typ	max									typ	(nm) typ	
SEL6210R	●3.1	Red tinted, diffused	High intensity red	1.9	2.5	10	50	3	12	20	630	35	Ⓐ			
SEL6210S	●3.1	Red tinted, non-diffused							25							
SEL6410G	●3.1	Green tinted, diffused	Green	2.0					15					560	20	
SEL6410E	●3.1	Green tinted, non-diffused							45							
SEL6510G	●3.1	Green tinted, diffused	Pure green						5	555						
SEL6510C	●3.1	Un-tinted, non-diffused							16							
SEL6710Y	●3.1	Yellow tinted, diffused	Yellow	1.9					5	10	570	40				
SEL6710K	●3.1	Yellow tinted, non-diffused							15							
SEL6810D	●3.1	Orange tinted, diffused	Amber						1.9					4	610	35
SEL6810A	●3.1	Orange tinted, non-diffused												10		
SEL6910D	●3.1	Orange tinted, diffused	Orange	6.5						587	33					
SEL6910A	●3.1	Orange tinted, non-diffused		14												
SEL6214S	●3.5	Red tinted, non-diffused	High intensity red	1.9	2.5	10	50	3	10	20	630	35	Ⓑ			
SEL6414E	●3.5	Green tinted, non-diffused	Green	2.0					12					560	20	
SEL6514C	●3.5	Un-tinted, non-diffused	Pure green						6							555
SEL6814A	●3.5	Orange tinted, non-diffused	Amber	1.9					5	10	610	35				
SEL6914A	●3.5	Orange tinted, non-diffused	Orange						5					587	33	
SEL6215S	●3.1	Red tinted, non-diffused	High intensity red	1.9	2.5	10	50	3	30	20	630	35	Ⓒ			
SEL6415E	●3.1	Green tinted, non-diffused	Green	2.0					50					560	20	
SEL6515C	●3.1	Un-tinted, non-diffused	Pure green						18							555
SEL6815A	●3.1	Orange tinted, non-diffused	Amber	1.9					30					610	35	
SEL6915A	●3.1	Orange tinted, non-diffused	Orange						40							587

■Using contact mount LEDs packaged on tapes

- 1. Printed circuit board**
 - One-side printed circuit board is recommended.
 - If there are several SMD parts on the same printed circuit board, insert the LEDs after the adhesive for other SMD parts hardened.
- 2. Insertion conditions**
 - Use low insertion pusher pressure, as much as possible.
 - Cut and clinch: Panasert T pattern is recommended.
For N pattern, make the clinching angle of the LED's anode as small as possible.
- 3. Soldering conditions**
 - Preheating must be less than 90°C (temperature on printed circuit board's bottom surface) for no more than two minutes
 - Solder dipping must be made at a temperature of 250°C for no more than 3 seconds.