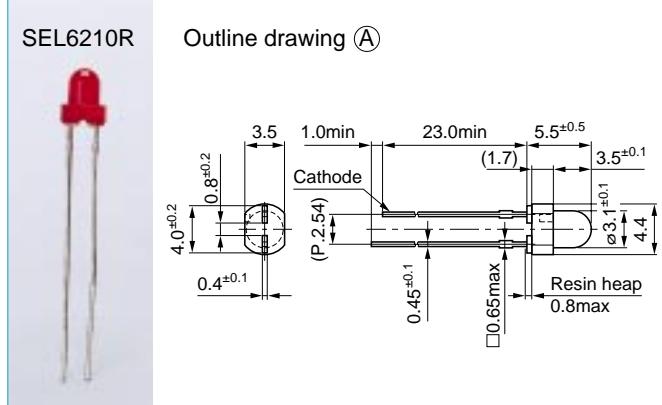
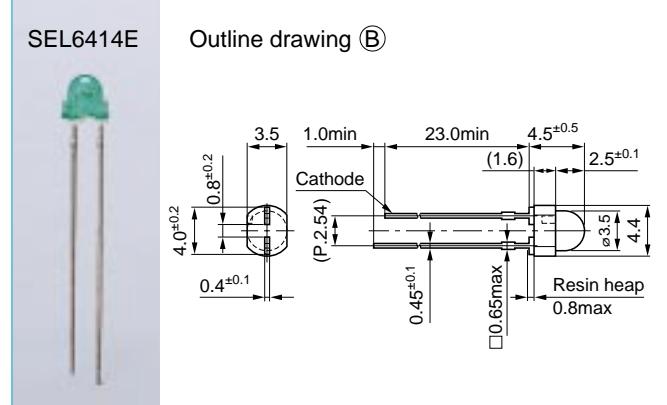


Round-type contact mount LEDs (for automatic insertion)

■SEL6010 series (Standard type)



■SEL6014 series (Wide viewing angle)

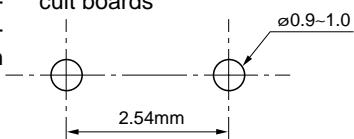


Absolute maximum ratings ($T_a=25^\circ\text{C}$)

Symbol	Unit	Ratings
I_F	mA	30
I_{FP}	mA	100
V_R	V	3
Top	$^\circ\text{C}$	-30 to +85
T_{stg}	$^\circ\text{C}$	-30 to +100

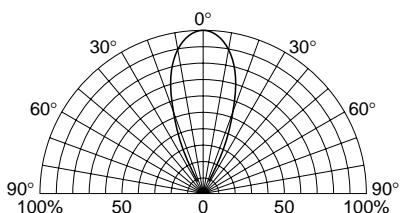
●SEL6000 series LEDs packaged on tapes can withstand shocks caused by insertion machines; Thus, they can be contact-mounted automatically on circuit boards.

Recommended dimensions of insertion holes on printed circuit boards



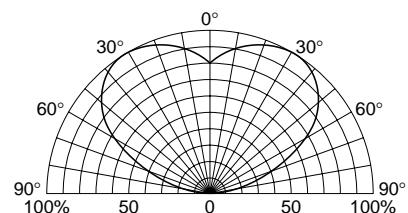
Viewing angle

SEL6010 series



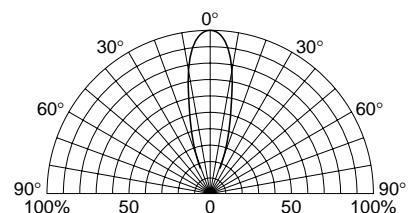
Viewing angle of a non-diffused lens

SEL6014 series

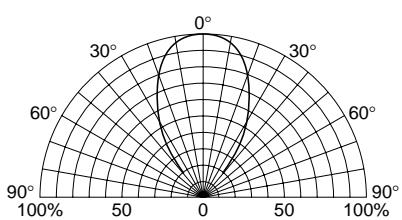


Viewing angle of a non-diffused lens

SEL6015 series

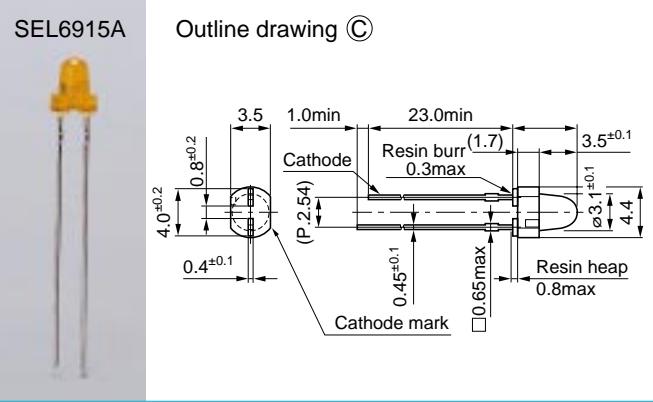


Viewing angle of a non-diffused lens



Viewing angle of a diffused lens

■SEL6015 series (Narrow viewing angle)



■External dimensions: Unit: mm Tolerance: ± 0.3

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

■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.