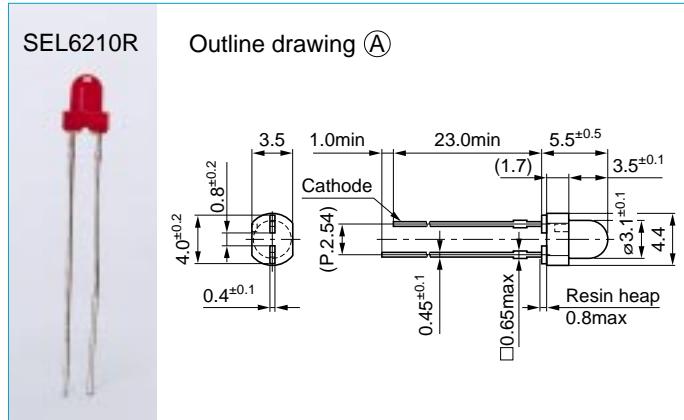
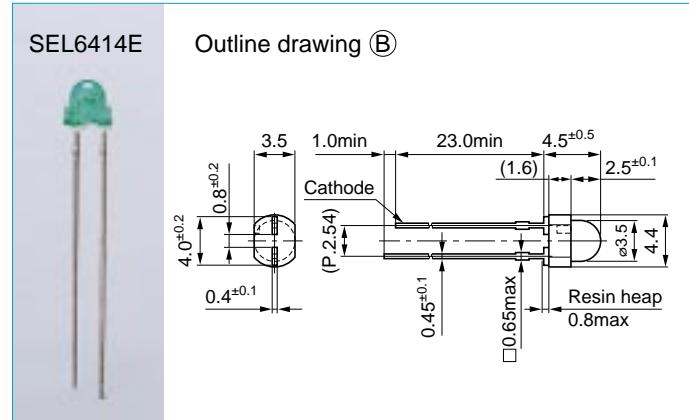


Round-type contact mount LEDs (for automatic insertion)

■SEL6010 series (Standard type)



■SEL6014 series (Wide viewing angle)

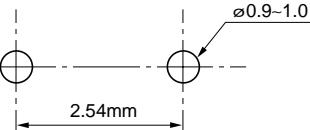


Absolute maximum ratings ($T_a=25^\circ\text{C}$)

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

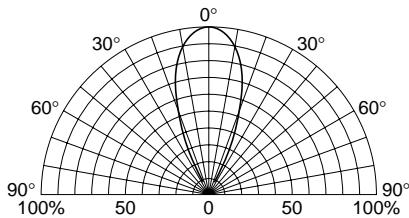
●SEL6000 series LEDs packaged on tapes can withstand shocks caused by insertion machines; Thus, they can be contact-mounted automatically on circuit boards.

Recommended dimensions of insertion holes on printed circuit boards



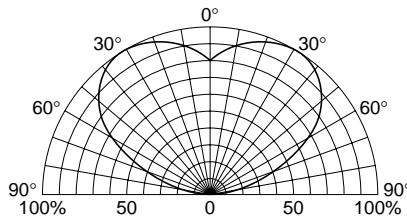
Viewing angle

SEL6010 series



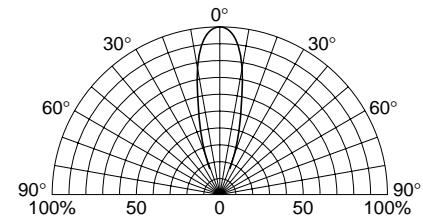
Viewing angle of a non-diffused lens

SEL6014 series

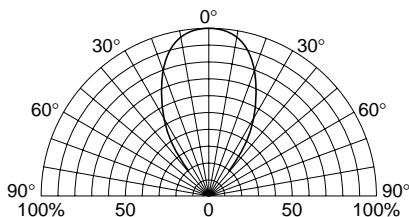


Viewing angle of a non-diffused lens

SEL6015 series



Viewing angle of a non-diffused lens



Viewing angle of a diffused lens

Type No.	Display form (ø: mm)	Type of lens	Emitting color	Electro-optical characteristics (Ta=25°C)								Outline drawing													
				V _F (V)		Condition I _F (mA)	I _R (μA)		Condition V _R (V)	I _V (mcd)		Condition I _F (mA)	λ _p	Δλ											
				typ	max		max	typ		typ	(nm)	typ													
SEL6210R	●3.1	Red tinted, diffused	High intensity red	1.9	2.5	10	50	3	20	12	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	20													
SEL6510C	●3.1	Un-tinted, non-diffused								16															
SEL6710Y	●3.1	Yellow tinted, diffused	Yellow	1.9						5	570	40													
SEL6710K	●3.1	Yellow tinted, non-diffused								15															
SEL6810D	●3.1	Orange tinted, diffused	Amber							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	20	10	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					10	5	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	20	30	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					20	30	610	35													
SEL6915A	●3.1	Orange tinted, non-diffused	Orange							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.