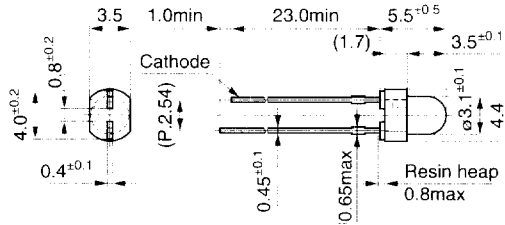


Round-type contact mount LEDs (for automatic insertion)

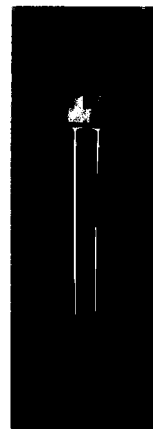
SEL6010 series (Standard type)



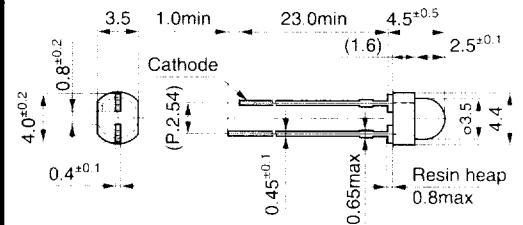
Outline drawing (A)



SEL6014 series (Wide viewing angle)



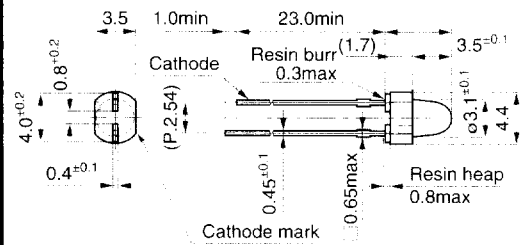
Outline drawing (B)



SEL6015 series (Narrow viewing angle)



Outline drawing (C)

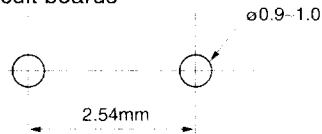


Absolute maximum ratings (Ta=25°C)

Symbol	Unit	Rating
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.

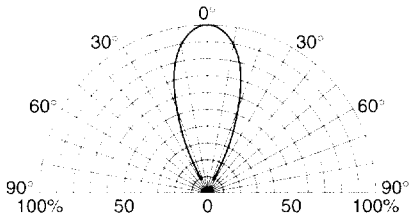
Recommended dimensions of insertion holes on printed circuit boards



External dimensions: Unit: mm Tolerance: ±0.3

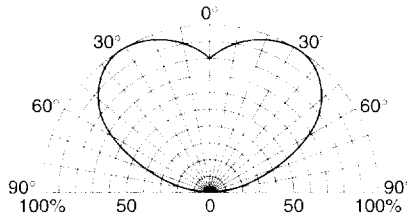
Viewing angle

SEL6010 series



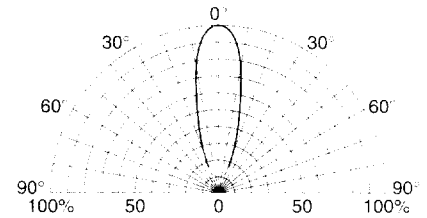
Viewing angle of a non-diffused lens

SEL6014 series

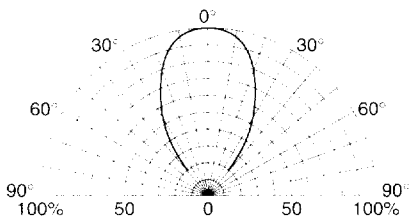


Viewing angle of a non-diffused lens

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 (T _a = 25°C)								Outline drawing			
				V _f (V)		Cathode current I _c (mA)	I _f (μA)	Cathode voltage V _c (V)	I _f (mA)	Cathode current I _c (mA)	λ _p (nm)		Δλ		
				typ	max									typ	typ
SEL6210R	●3.1	Red tinted, diffused	High intensity red	1.9							12		630	35	A
SEL6210S	●3.1	Red tinted, non-diffused													
SEL6410G	●3.1	Green tinted, diffused	Pure green	2.0							15		555		
SEL6410E	●3.1	Green tinted, non-diffused													
SEL6510G	●3.1	Green tinted, diffused	Amber	1.9							5		610	35	
SEL6510C	●3.1	Un-tinted, non-diffused													
SEL6710Y	3.1	Yellow tinted, diffused	High intensity red	1.9							5		630	35	
SEL6710K	3.1	Yellow tinted, non-diffused													
SEL6810D	●3.1	Orange tinted, diffused	Pure green	2.0							4	10	555		
SEL6810A	●3.1	Orange tinted, non-diffused													
SEL6910D	3.1	Orange tinted, diffused	Orange	1.9							6.5		587	33	
SEL6910A	3.1	Orange tinted, non-diffused													
SEL6214S	●3.5	Red tinted, non-diffused	Green	2.0	2.5	10	50	3			10	20	560	20	
SEL6414E	3.5	Green tinted, non-diffused													Pure green
SEL6514C	●3.5	Un-tinted, non-diffused	Amber	1.9							6	10	610	35	
SEL6814A	●3.5	Orange tinted, non-diffused													Orange
SEL6914A	3.5	Orange tinted, non-diffused	High intensity red	1.9							5		630	35	
SEL6215S	●3.1	Red tinted, non-diffused													Green
SEL6415E	3.1	Green tinted, non-diffused	Pure green	2.0							50	20	555		
SEL6515C	●3.1	Un-tinted, non-diffused													Amber
SEL6815A	●3.1	Orange tinted, non-diffused	Orange	1.9							30		587	33	
SEL6915A	3.1	Orange tinted, non-diffused													

■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.