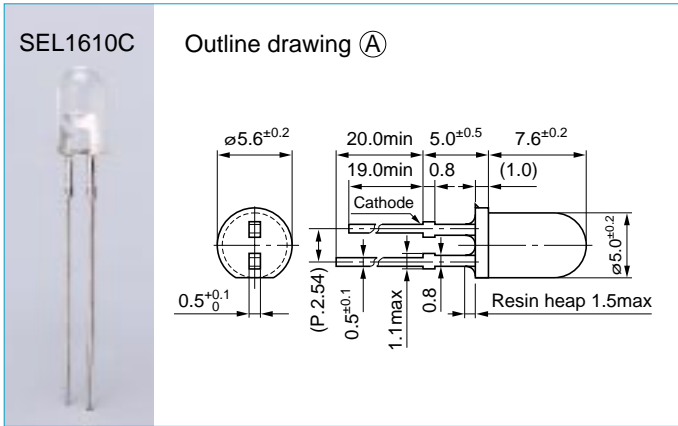
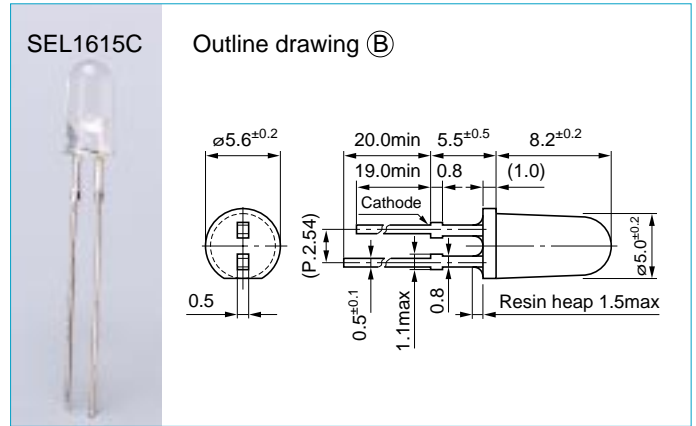


# Ultra-high intensity LEDs (SEL1600 series)

## SEL1610 series



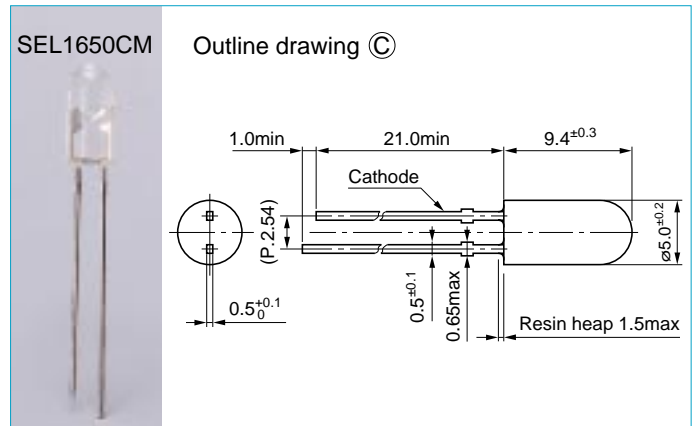
## SEL1615 series



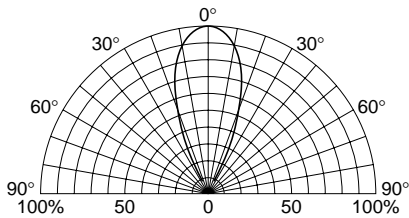
### Absolute maximum ratings (Ta=25°C)

Symbol	Unit	Ratings
I <sub>F</sub>	mA	30
I <sub>FP</sub>	mA	100
V <sub>R</sub>	V	3
Top	°C	-30 to +85
Tstg	°C	-30 to +100

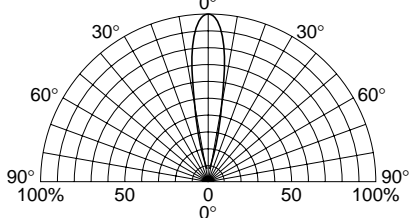
## SEL1650 series



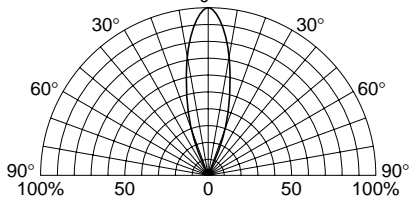
### Viewing angle SEL1610C



### SEL1615C



### SEL1650CM



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	
				V <sub>F</sub> (V)		Condition I <sub>F</sub> (mA)	I <sub>R</sub> (μA)	Condition V <sub>R</sub> (V)	I <sub>V</sub> (mcd)	λ <sub>p</sub> (nm)	Δλ (typ)		
				typ	max		max		typ				Condition I <sub>F</sub> (mA)
SEL1610C	● 5	Un-tinted, non-diffused	Ultra-high intensity red	1.75	2.2	10	100	3	800	30	660	30	(A)
SEL1615C													(B)
SEL1650CM													(C)