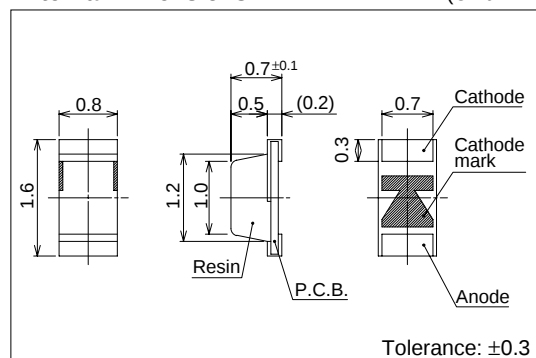


1.6×0.8 Miniature Surface Mount LED

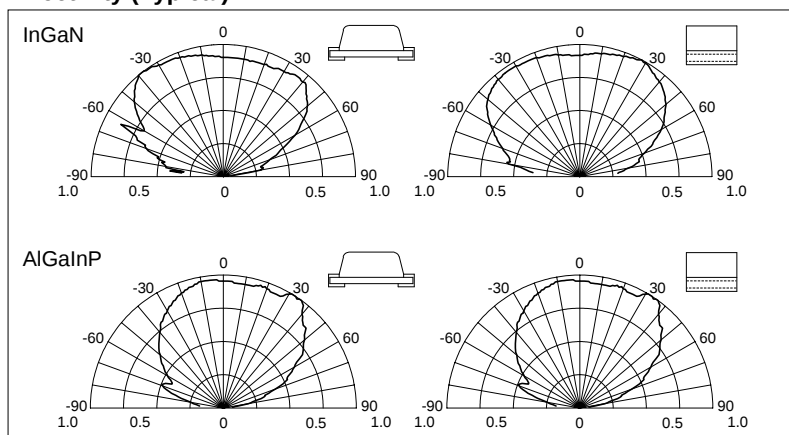
SEC1007 Series

External Dimensions

(Unit: mm)



Directivity (Typical)



Absolute maximum ratings (Ta=25°C)

Symbol	Unit	Rating		Condition
		AlGaInP	GaN/InGaN	
I _F	mA	30	20	Above 25°C
ΔI _F	mA/°C	-0.45	-0.27	
I _{FP}	mA	70	50	
V _R	V	5	5	
T _{op}	°C	-30 to +85	-20 to +80	
T _{stg}	°C	-30 to +100	-30 to +100	

Electrical Optical characteristics (Ta=25°C)

Emitting color	Part Number	Lens color	Forward voltage			Reverse current		Intensity		Peak wavelength		Dominant wavelength		Chip material
			V _F		Condition I _F (mA)	I _R (μA)	Condition V _R (V)	I _V (mcd)	Condition I _F (mA)	λ _P (nm)	Condition I _F (mA)	λ _P (nm)	Condition I _F (mA)	
			typ	max										
Blue	SEC1E07C-S	Clear	4.0	4.8	20	10	5	10	20	430	20	466	20	GaN
Blue	SECS1E07C*	Clear	3.6	4.3	20	10	5	30	20	468	20	470	20	InGaN
Aqua-blue	SECS1L07C*	Clear	3.6	4.3	20	10	5	90	20	488	20	490	20	InGaN
Pure green	SECS1D07C*	Clear	3.6	4.3	20	10	5	140	20	523	20	525	20	InGaN
Green	SECU1407C*	Clear	2.2	2.5	20	10	5	15	20	560	20	563	20	AlGaInP
Yellow	SECU1707C*	Clear	2.2	2.5	20	10	5	30	20	572	20	571	20	AlGaInP
Light amber	SECS1B07C*	Clear	1.9	2.5	20	10	5	90	20	600	20	596	20	AlGaInP

*: Under development