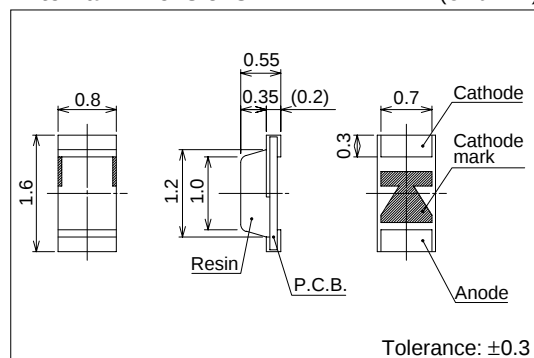


1.6×0.8 Miniature Surface Mount LED

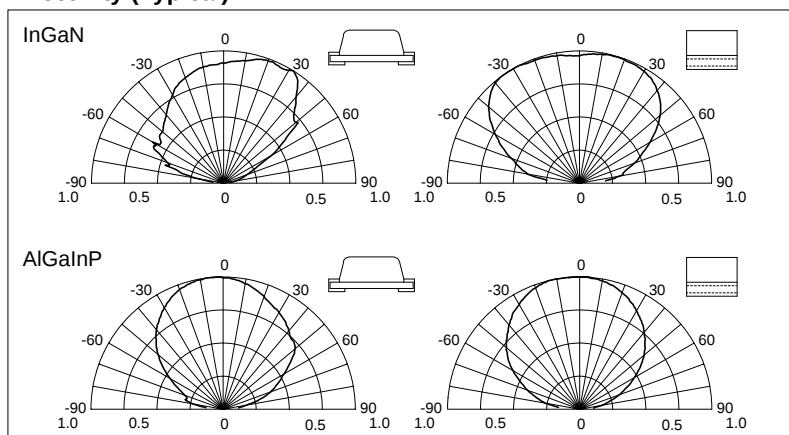
SEC1005 Series

External Dimensions

(Unit: mm)



Directivity (Typical)



Absolute maximum ratings (Ta=25°C)

Symbol	Unit	Rating		Condition
		AlGaInP	InGaN	
I _F	mA	30	20	
ΔI _F	mA/°C	-0.45	-0.27	Above 25°C
I _{FP}	mA	70	50	
V _R	V	5	5	
T _{op}	°C	-30 to +85	-25 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 (V)	Condition I _F (mA)	I _R (μA) max	Condition V _R (V)	I _v (mcd) typ	Condition I _F (mA)	λ _P (nm) typ	Condition I _F (mA)	λ _P (nm) typ	Condition I _F (mA)		
Blue	SECU1E05C-S*	Clear	3.4	4.0	20	10	5	40	20	468	20	470	20	InGaN
Blue-green	SECU1J05C*	Clear	3.3	4.0	20	10	5	210	20	500	20	500	20	InGaN
Pure green	SECU1D05C-S*	Clear	3.3	4.0	20	10	5	280	20	525	20	530	20	InGaN
Orange	SECU1905C*	Clear	1.9	2.5	20	10	5	80	20	591	20	589	20	AlGaInP
Amber	SECU1805C*	Clear	1.9	2.5	20	10	5	100	20	611	20	605	20	AlGaInP
Red	SECU1205C*	Clear	1.9	2.5	20	10	5	90	20	632	20	625	20	AlGaInP

*: Under development