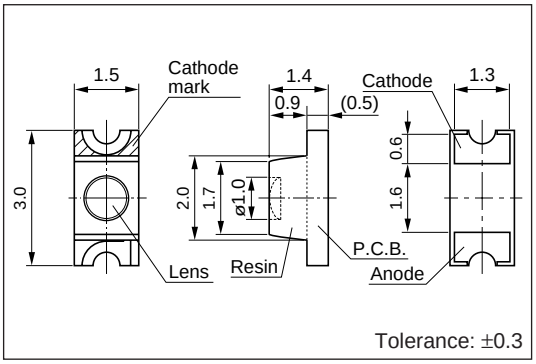
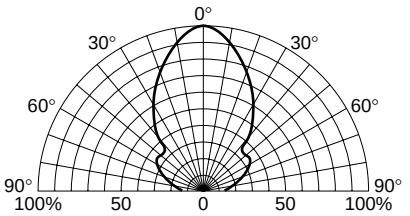
3×1.5 Surface Mount LED (Inner Lens)

SEC1003 Series

External Dimensions (Unit: mm)



Directivity (Typical)



Absolute maximum ratings (Ta=25°C)

Symbol	Unit	Rating	Condition
I_F	mA	30	
ΔI_F	mA/°C	–0.45	Above 25°C
I_{FP}	mA	70	f=1kHz, tw≤100μs
V_R	V	4	
Top	°C	–30 to +85	
Tstg	°C	–30 to +100	

Electrical Optical characteristics (Ta=25°C)

Emitting color	Part Number	Lens color	Forward voltage V_F (V) typ	Forward voltage V_F (V) max	Condition I_F (mA)	Reverse current I_R (μA) max	Condition V_R (V)	Intensity I_V (mcd) typ	Condition I_F (mA)	Peak wavelength λP (nm) typ	Condition I_F (mA)	Spectrum half width Δλ (nm) typ	Condition I_F (mA)	Chip material
High-intensity red	SEC1603C	Clear	1.7	2.2	10	100	4	150	20	660	10	30	10	GaAlAs
Ultra-high-intensity red	SECS1203C	Clear	1.9	2.5	20	100	4	100	20	635	20	35	20	AlGaInP
Red	SEC1203C	Clear	1.9	2.5	10	100	4	15	20	630	10	35	10	GaAsP
Ultra-high-intensity amber	SECS1803C	Clear	1.9	2.5	3	10	4	10	3	615	3	35	3	AlGaInP
Amber	SEC1803C	Clear	1.9	2.5	10	100	4	20	20	610	10	35	10	GaAsP
Ultra-high-intensity orange	SECS1903C	Clear	1.9	2.5	3	10	4	10	3	590	3	35	3	AlGaInP
Orange	SEC1903C	Clear	1.9	2.5	10	100	4	15	20	587	10	33	10	GaAsP
Yellow	SEC1703C	Clear	2.0	2.5	10	100	4	35	20	570	10	30	10	GaP
Green	SEC1403C	Clear	2.0	2.5	10	100	4	33	20	560	10	20	10	
Deep green	SEC1403E-TG	Transparent green	2.0	2.5	10	100	4	15	20	558	10	20	10	
Pure green	SEC1503C	Clear	2.0	2.5	10	100	4	10	20	555	10	20	10	