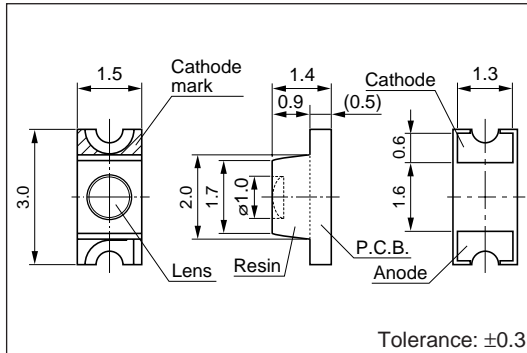


3×1.5 Surface Mount LED (Inner Lens)

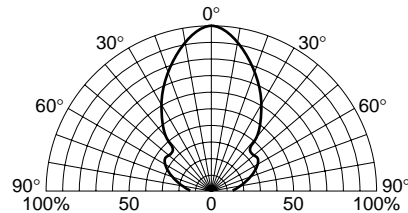
SEC1003 Series

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	$f=1\text{kHz}$, $t_w \leq 100\mu\text{s}$
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			Reverse current			Intensity		Peak wavelength		Spectrum half width		Chip material
			V_F		Condition I_F	I_R	Condition V_R	I_v	Condition I_F	λ_P	Condition I_F	$\Delta\lambda$	Condition I_F		
			typ	max										(V)	
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		