

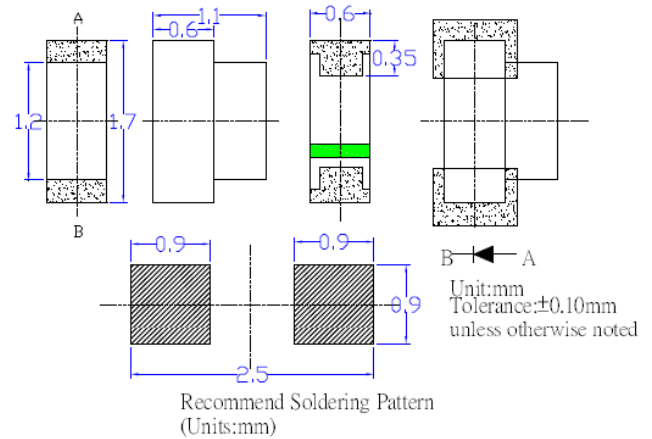
■Features

- Single chip
- Super high brightness of surface mount LED
- Compact package outline
(L x W x T) of 1.7mm x 0.6mm x 1.1mm
- Compatible to IR reflow soldering.

■Applications

- Backlighting (switches, keys, etc.)
- Marker lights (e.g. steps, exit ways, etc.)
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■Outline Dimension



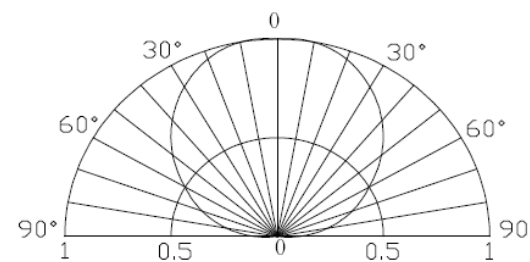
■Absolute Maximum Rating

(Ta=25°C)

Item	Symbol	Value		Unit
		W/B /G	G /Y/O/R	
DC Forward Current	I _F	30	25	mA
Pulse Forward Current*	I _{FP}	100	80	mA
Reverse Voltage	V _R	5	5	V
Power Dissipation	P _D	102	60	mW
Operating Temperature	T _{opr}	-40 ~ +85		°C
Storage Temperature	T _{stg}	-40~ +85		°C
Lead Soldering Temperature	T _{sol}	260°C /10sec		-

*Pulse width Max 0.1ms, Duty ratio max 1/10

■Directivity



■Electrical -Optical Characteristics

(Ta=25°C)

Part Number	Color		V _F (V)			I _R (μA)	I _v (mcd)			λD(nm)			θ1/2(deg)
			Min.	Typ.	Max.	Max.	Min.	Typ.	Max.	Min.	Typ.	Max.	Typ.
			I _F =20mA			V _R =5V	I _F =20mA						
SE-SMD0602SV-XX1	White	W	2.8	-	3.4	10	300	550	-	6000K	8500K	12500K	120
	Blue	B	2.8	-	3.4	10	120	250	-	460	465	475	120
	True green	G	2.8	-	3.4	10	350	600	-	515	523	530	120
	Yellow green	YG	1.8	-	2.4	10	25	50	-	565	570	575	120
	Yellow	Y	1.8	-	2.4	10	70	150	-	585	590	595	120
	Orange	O	1.8	-	2.4	10	70	150	-	600	605	610	120
	Red	R	1.8	-	2.4	10	70	150	-	615	620	630	120

- *1 Tolerance of measurements of chromaticity coordinate is ±10%
- *2 Tolerance of measurements of dominant wavelength is ±1nm
- *3 Tolerance of measurements of luminous intensity is ±15%
- *4 Tolerance of measurements of forward voltage is±0.1V