

■Features

- Single chip
- Super high brightness of surface mount LED
- Compact package outline
(L x W x T) of 3.2mm x 2.4mm x 1.85mm
- Compatible to IR reflow soldering.

■Applications

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

■Absolute Maximum Rating

(Ta=25°C)

Item	Symbol	Value		Unit
		W/B/TG	YG/Y/OR/HR	
DC Forward Current	I _F	30	30	mA
Pulse Forward Current*	I _{FP}	100	100	mA
Reverse Voltage	V _R	5	5	V
Power Dissipation	P _D	102	72	mW
Operating Temperature	Topr	-40 ~ +85		°C
Storage Temperature	Tstg	-40 ~ +85		°C
Lead Soldering Temperature	Tsol	260°C/5sec		-

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

■Electrical -Optical Characteristics

(Ta=25°C)

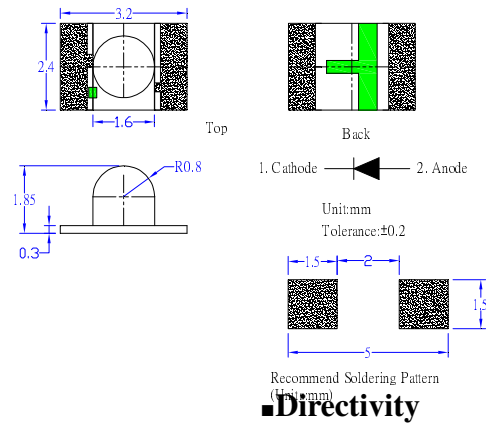
Part Number	Color		V _F (V)			I _R (μA)	I _v (mcd)			λ _D (nm)			θ1/2 (deg)
			Min.	Typ.	Max.		Max.	Min.	Typ.	Max.	Min.	Typ.	
			I _F =20mA			V _R =5V			I _F =20mA				
OSW4322441E	White	W4	2.8	-	3.4	10	500	800	-	5500K	6500K	7500K	35
OSB5322441E	Blue	B5	2.8	-	3.4	10	800	1500	-	464	468	472	35
OSG5322441E	True green	G5	2.8	-	3.4	10	2000	3500	-	518	522	526	35
OSG8322441E	Yellow green	G8	1.8	-	2.4	10	100	150	-	566	569	572	35
OSY5322441E	Yellow	Y5	1.8	-	2.4	10	600	1000	-	586	590	592	35
OSO5322441E	Orange	O5	1.8	-	2.4	10	600	1000	-	600	602	605	35
OSR5322441E	Red	R5	1.8	-	2.4	10	600	1000	-	617	621	625	35

Note: * V_f tolerance: ±0.05V

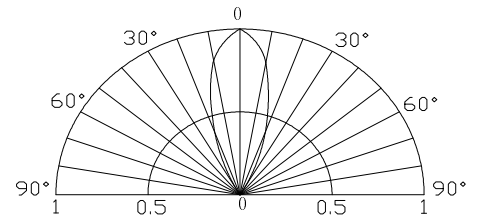
* Dominant wavelength tolerance: ±1nm

* Luminous intensity is NIST reading. Luminous intensity tolerance: ±10%

■Outline Dimension



■Directivity



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