



- High Luminous LEDs
- 3mm Standard Directivity
- UV Resistant Epoxy
- White Diffused

- Electronic Signs and Signals
- Small Area Illuminations
- Back Lighting
- Other Lighting

5.3
1.5MAX
3.0
1.0
5.1
26.0MIN
1.1
0.5±0.1
1.5MIN
2.54

3.0
3.85

1. Anode
2. Cathode
Unit:mm
Tolerance:±0.20mm
unless otherwise noted

Item	Symbol	Value		Unit
		W/M/B/PG	Y/O/R	
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	78	mW
Operating Temperature	Topr	-30 ~ +85		°C
Storage Temperature	Tstg	-40~ +100		°C
Lead Soldering Temperature	Tsol	260°C/5sec		-

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						
OSW5DK3142C	Cool White	W		-	2.9	3.4	10	1560	2180	-	8500-18000K(X:0.27,Y:0.28)			40
OSM5DK3142C	Warm White	M		-	2.9	3.4	10	1560	2180	-	2700-3200K(X:0.45,Y:0.41)			40
OSB5SA3142C	Blue	B		-	2.9	3.4	10	500	750	-	465	470	475	40
OSG5DA3142C	Pure Green	PG		-	2.9	3.4	10	1560	2180	-	520	525	530	40
OSY5PA3142C	Yellow	Y		-	2.1	2.6	10	1120	1560	-	585	590	595	40
OSO5PA3142C	Orange	O		-	2.1	2.6	10	1120	1560	-	600	605	610	40
OSR5PA3142C	Red	R		-	2.1	2.6	10	1120	1560		620	625	630	40

*3 Tolerance of measurements of luminous intensity is $\pm 15\%$ *4 Tolerance of measurements of forward voltage is $\pm 0.1\text{V}$

ISO 9001:2008



REACH
The new EU chemicals legislation

