











CHIP LED

FEATURES

- Package :1.6(L)×0.8(W)×0.4(T)mm Flat, 1.6(L)×0.8(W)×0.55(T)mm Round Type
- It can be manufactured high-luminosity of equipment or reduce of electric power consumption by change in the high-luminosity LED from general-luminosity one.
- Can be mounted using SMD.
- Reflow soldering is possible.
- Application
 - As Backlighting source for battery-powered equipment
 - As pilot light for compact equipment

PRODUCT TYPE DESIGNATION METEOD

$\frac{0}{\text{a}}$ $\frac{S}{\text{b}}$ $\frac{\text{○}}{\text{c}}$ $\frac{\text{○}}{\text{d}}$ $\frac{\text{○}}{\text{e}}$ - $\frac{\text{○}}{\text{f}}$

a) OPTOHITEC S,C CHIP LED										
b) COLOR of LED Chip										
	Blue	Bluish Green	Pure Green	Green	Yellow Green	Yellow	Orange	Amber	Red	White
	B	BG	PG	G	M	Y	O	A	R	W
c) Size of Lens(mm)	2.0×1.2×0.8		1.6×0.8×0.4			1.6×0.8×0.55		1.0×0.5×0.4		
	28		64			65		54		
d) Package type	Round					Flat				
	R					F				
e) Color of Lens	Water clear		Colored Clear			Milky Diffused		Colored Diffused		
	1		2			3		4		
f) Luminous Intensity	General		High			Super		Ultra		
	G		H			S		U		

RATINGS AND CHARACTERISTIC

(Ta=25°C)

Color	Absolute Maximum Ratings					Electrical/Optical Characteristic					
	DC Forward Current	Reverse Voltage	Power Dissipation	Operating Temperature	Storage Temperature	Forward Voltage (IF)			Reverse Current (IR)		Dominant Wave Length (λD)
	IF	VR	PD	Topr	Tstg	TYP.	MAX.	IF	MAX.	VR	MAX.
White	25	5	75	-25~85	-30~100	3.7	4.0	20	10	5	x=0.31, cy=0.32
Blue						3.7	4.0	20	10	5	430
Bluish Green						3.7	4.0	20	10	5	470
Pure Green						3.4	4.0	20	10	5	505
Yellow Green						3.4	4.0	20	10	5	525
Yellow						2.1	2.7	20	10	5	570
Orange						1.9	2.4	20	10	5	589
Amber						1.9	2.4	20	10	5	595
Red						2.1	2.5	20	10	5	610
						2.1	2.5	20	10	5	625
						2.1	2.5	20	10	5	630
						1.8	2.4	20	10	5	660
						1.8	2.4	20	10	5	700
Unit	mA	V	mW	°C	°C	V	mA	μA	V	nm	

CHIP LED

PRODUCT GUIDANCE

Size	Product Name	Lens Color	λ_p (nm)	Luminous Intensity I_v (mcd)								IF (mA)
				Rank (Min.)								
1.6×0.8 ×0.4T	OSW64R1-○	Options	$c_x=0.31, c_y=0.32$	Min.40	40	60	80	120	140	160	180	20
	OSB64R1-○		430	Min.10	10	20	30	40	50			
	OSB64R1-○		470	Min.20	20	40	80	100	120			
	OSBG64R1-○		505	Min.60	60	100	120	150	220			
	OSPG64R1-○		525	Min.10	10	20	30	40	50			
	OSM64R1-○		570	Min.20	20	40	60	80	100	140		
	OSY64R1-○		589	Min.10	10	30	40	60	80	100		
	OSY64R1-○		595	Min.10	10	30	60	90	120	150	200	
	OS064R1-○		610	Min.10	10	30	60	90	110	140	170	
	OS064R1-○		625	Min.10	10	50	80	100	120			
	OSA64R1-○		630	Min.20	20	30	50	70				
	OSR64R1-○		660	Min.20	20	30	40	50				
	OSR64R1-○		700	Min.10	10	20	30	40	50			

PACKAGE DIMENSIONS

