High Luminous Efficacy Star MCPCB COB 6W LED

SLQ6WDCOBB

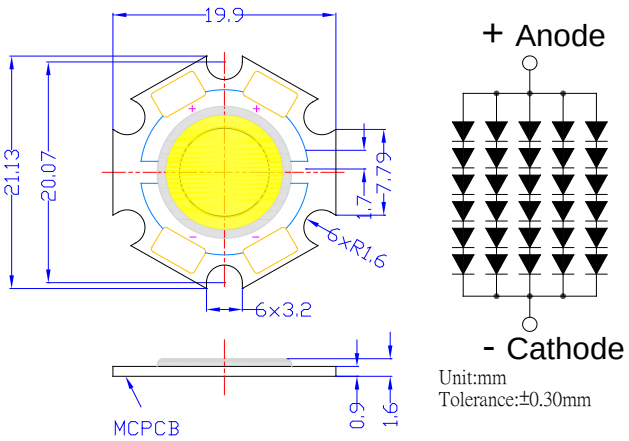
▪Features

- Highest Luminous Flux
- Super Energy Efficiency
- Long Lifetime Operation
- Superior UV Resistance
- **Efficacy: 120lm/W @300mA (5.76W)**

▪Applications

- Electronic Signs And Signals
- Small Area Illuminations
- Back Lighting
- Other Lighting
- Bollards / Security / Garden
- Traffic signaling / Beacons

▪Outline Dimension

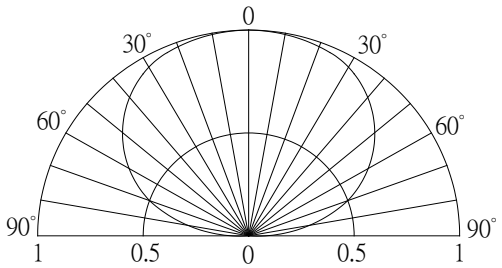


▪Absolute Maximum Rating (Ta=25℃)

Item	Symbol	Value W/M	Unit
DC Forward Current	I_F	420	mA
Pulse Forward Current*	I_{FP}	600	mA
Reverse Voltage	V_R	25	V
Power Dissipation	P_D	8,820	mW
Operating Temperature	Topr	-40 ~ +85	℃
Storage Temperature	Tstg	-40~ +85	℃
Lead Soldering Temperature	Tsol	260℃/5sec	-

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

▪Directivity



■Electrical -Optical Characteristics (Ta=25℃)

Part Number	Color			V_F (V)			I_R(μA)	Φv(lm)*			λD(nm)*			2θ1/2(deg)
				Min.	Typ.	Max.	Max.	Min.	Typ.	Max.	Min.	Typ.	Max.	Typ.
				I_F=300mA			V_R=5V	I_F=300mA						
	White	W		17.4	19.2	21	50	650	700	-	X=0.31, Y=0.33 CCT:6500K			140
	Warm White	M		17.4	19.2	21	50	650	700	-	X=0.38, Y=0.39 CCT:4000K			140
	Warm White	M		17.4	19.2	21	50	650	700	-	X=0.44, Y=0.41 CCT:3000K			140

***Thermal Resistance Junction to MCPCB: 6degC/W**

Note: *1. Tolerance of chromaticity coordinates is ±10%

*2. Dominant wavelength tolerance: ±1nm

*3. Tolerance of luminous Flux is ±15%