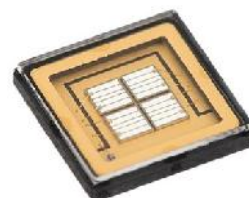


365nm 6868 SMD 4-chips UV-A LED

365nm UV-A LED

YL-4D6868F(115)-365nm(3800mW)



Description

- High power UV LED series are designed for high current operation and high power output applications.
- It incorporates state of the art SMD design and low thermal resistant material.
- UV light source for curing, printing, and detecting applications.

Features

- Super high power output
- Designed for high current operation
- Low thermal resistance

Applications

- UV Curing , Printing , Coating , Adhesive , Counterfeit Detection/ Security

Absolute Maximum Rating

Parameter	Symbol	Min.	Typ.	Max.	Unit
Forward Current	IF	-	-	4	A
Junction Temperature	Tj	-	-	125	°C
Operating Temperature	Topr	-10	-	85	°C
Storage Temperature	Tstg	-40	-	100	°C
Thermal resistance (J to B)*	R J-B	-	2.6	-	°C /W

*R is the thermal resistance between chip junction to PCB board bottom
The PCB is made of aluminum and the size of PCB is 3.5cm by 3.5cm J-B

Electro - Optical characteristic at 3A

(Ta=25 , RH=30%)

Item	Symbol	Min.	Typ.	Max.	Unit
Peak wavelength [1]	p	-	365	-	nm
Radiant Flux [2]	e [3]	-	3800	-	mW
Forward Voltage [4]	VF	-	3.7	-	V
Spectrum Half Width		-	9.5	-	nm
View Angle	2 1/2	-	115	-	deg.

[1] Peak Wavelength Measurement tolerance : ±3nm

[2] Radiant Flux Measurement tolerance : ± 10%

[3] e is the Total Radiant Flux as measured with an integrated sphere.

[4] Forward Voltage Measurement tolerance : ±3%