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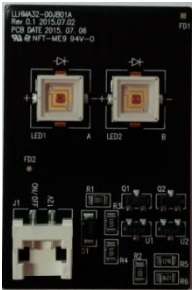





UV-LED product



Package Line-up

	<u>Product</u>	<u>Model</u>	<u>Typical Characteristics</u>		<u>Status</u>
400 nm UV-A		3535 Series (Normal) Beam Angle 130°	• 385~405nm • 365nm	2,100mW @1A 1,800mW @1A	Global Standard Form-Factor <ul style="list-style-type: none"> ▪ Ceramic ▪ Silicone Molding
		3535 Series (Narrow) Beam Angle 55°,75°	• 385~405nm • 365nm	1,950mW @1A 1,700mW @1A	
		3838 Glass Dome (Narrow) Beam Angle 50°	• 385~405nm • 365nm	1,430mW @1A 1,250mW @1A	High Reliability Form-Factor <ul style="list-style-type: none"> ▪ Ceramic ▪ Glass Lens
		5152 Series (PCT)	• 405nm • 365nm	390mW @350mA 350mW @350mA	Global Standard Form-Factor <ul style="list-style-type: none"> ▪ PCT
		6060 Series (1in1)	• 385~405nm • 365nm	2,380mW @1.5A 2,060mW @1.5A	High Thermal Conductivity <ul style="list-style-type: none"> ▪ Multilayer Ceramic ▪ High Power Output
		6868 Series (4in1)	• 385~405nm • 365nm	6,200mW @1A 5,300mW @1A	Multi Chip Package <ul style="list-style-type: none"> ▪ AlN Ceramic
315 nm UV-B		6060 Series	• 305nm	10mW @100mA 100mW @350mA	High Thermal Conductivity <ul style="list-style-type: none"> ▪ Multilayer Ceramic ▪ High Power Output
		3535 Series	• 275nm	2mW @20mA	Global Standard Form-Factor <ul style="list-style-type: none"> ▪ Metal ▪ Flat Glass
280 nm UV-C		6060 Series	• 275nm	3mW @20mA 10mW @100mA 100mW @350mA	High Thermal Conductivity <ul style="list-style-type: none"> ▪ Multilayer Ceramic ▪ High Power Output
		6868 Series (4in1)	• 275nm	250mW @200mA 300mW @350mA	Multi Chip Package <ul style="list-style-type: none"> ▪ AlN Ceramic
200 nm					

Module Line-up

Application	Humidifier (Water tank)	Water Purifier (Water tank)	Water Purifier (Faucet tip)	Water Purifier (Water tank)	Water Purifier (Water tank)	Water Purifier (Water tank)
Product						
Size(mm)	38 x 25 x 1.6t	38 x 25 x 1.6t	30.5 x 15 x 1.6t	27 x 27 x 8.5t	24 x 13 x 1.6t	23 x 23 x 1.6t
PKG	2mW 6060 x 2ea	2mW 6060 x 1ea	2mW 6060 x 1ea	2mW 6060 x 1ea	2mW 3535 x 1ea	2mW 3535 x 1ea
Power Consumption[W]	0.52	0.26	0.26	0.26	0.03	0.26
Radiant Power [mW]	4mW@12V	2mW@12V	2mW@12V	1.8mW@12V	0.21mW@12V	2mW@12V
Peak Wavelength [nm]	278	278	278	278	278	278
View Angle[°]	120	120	120	110	120	120
ESD(Air)	8kV	8kV	8kV	8kV	8kV	8kV
IP rating	-	IPx7 ¹⁾	-	IPx8 ²⁾	-	-
Ts Temp.[°C] (Ta=25°C)	43.9°C@30min↑	35.7°C@30min↑	43.3°C@30min↑	33°C@30min↑	43.9°C@30min↑ Update 필요	43.8°C@30min↑
Operating type	Constant Voltage(12V)	Constant Voltage(12V)	Constant Voltage(12V)	Constant Voltage(12V)	Constant Voltage(12V)	Constant Voltage(12V)
PCB Material	AL	FR4 Both side	AL	FR4 Both side	FR4 Both side	FR4 Both side

¹⁾ IPx7 : Only 30min water-proof(However, Silicon coating is required in the LED and circuit components lead portions) ²⁾ IPx8 : Fully water-proof

* The Specification of UVC Module can be changed.