

High Po UVC PKG (Wide Type)



Characters

Features:

- High Po with long life
- High Efficiency

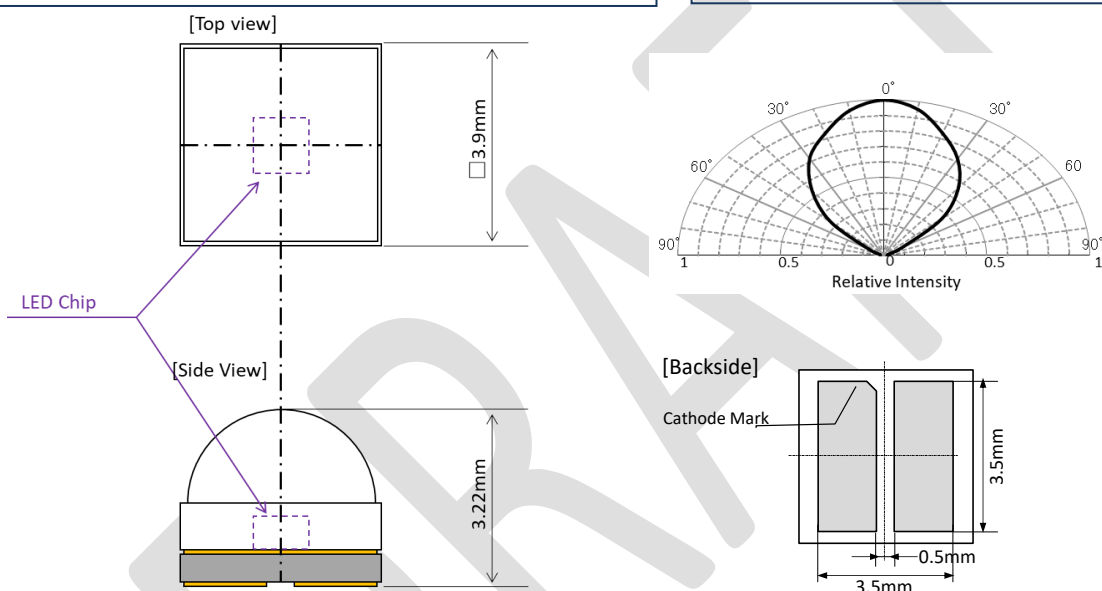
Applications:

- Air/Surface Sterilization
- Water disinfection

Dimension

PKG Size:

- 3.9 mm x 3.9 mm, h=3.22 mm
- Land pattern: 1.5 mm x 3.5 mm



<Tentative> Electro-optical Characteristics (Ta=25°C):

Parameter	Symbol	Condition	Min.	Typ.	Max.	Unit
Forward Voltage	V_f	$I_f = 350\text{mA}$	5.0	(6.2)	7.0	V
Reverse current	I_r	$V_r = -5\text{V}$	-	-	0.1	μA
Peak wavelength	λ_p	$I_f = 350\text{mA}$	270	275	280	nm
Radiant flux	Po	$I_f = 350\text{mA}$	165	(200)	-	mW

Remark: characteristics above is estimation only and spec to be updated after further validation.

Note:

- UVC LED PKG is an electrostatic sensitive device, so ESD protection during chip handling is recommended.
- Peak wavelength maintains a tolerance of $\pm 3.0\text{nm}$.
- Forward Voltage measurement allows a tolerance of $\pm 5\%$.
- Radiant flux measurement allows a tolerance of $\pm 10\%$.
- All measurements are based on our electro-optical testing equipment.



TOYODA GOSEI

High Po UVC PKG (Narrow Type)



Characters

Features:

- High Po with long life
- High Efficiency

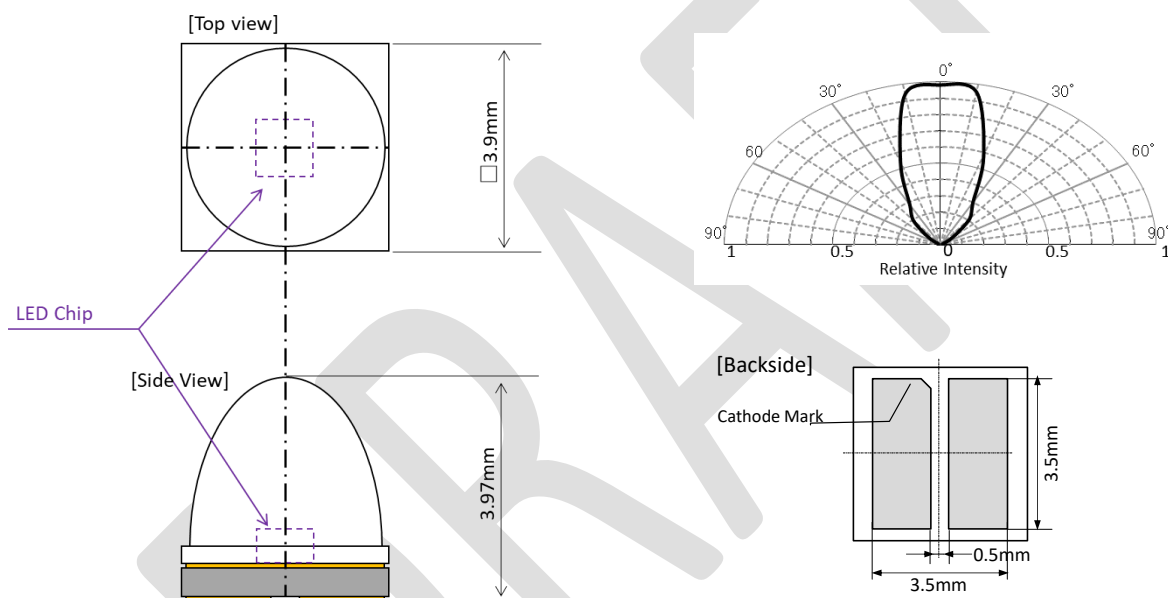
Applications:

- Air/Surface Sterilization
- Water disinfection

Dimension

PKG Size:

- 3.9 mm x 3.9 mm, h=3.97 mm
- Land pattern: 1.5 mm x 3.5 mm



<Tentative> Electro-optical Characteristics (Ta=25°C):

Parameter	Symbol	Condition	Min.	Typ.	Max.	Unit
Forward Voltage	V_f	$I_f = 350\text{mA}$	5.0	(6.2)	7.0	V
Reverse current	I_r	$V_r = -5\text{V}$	-	-	0.1	μA
Peak wavelength	λ_p	$I_f = 350\text{mA}$	270	275	280	nm
Radiant flux	Po	$I_f = 350\text{mA}$	152	(190)	-	mW

Remark: characteristics above is estimation only and spec to be updated after further validation.

Note:

- UVC LED PKG is an electrostatic sensitive device, so ESD protection during chip handling is recommended.
- Peak wavelength maintains a tolerance of $\pm 3.0\text{nm}$.
- Forward Voltage measurement allows a tolerance of $\pm 5\%$.
- Radiant flux measurement allows a tolerance of $\pm 10\%$.
- All measurements are based on our electro-optical testing equipment.



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