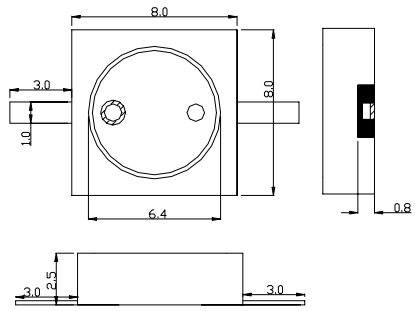
RLU0408N65

365 nm High Power Ultra Violet LED **PRELIMINARY**

■ Features

- 365 nm UV-LED
- 8 mm metal SMD package
- UV transparent resin
- Chip material based on GaN



■ Absolute Maximum Ratings (Ta = 25°C)

Parameter	Symbol	Value	Unit
Power Dissipation	P_d	320	mW
Continuous Forward Current	I_F	100	mA
Reverse Voltage	V_R	5	V
Operating Temperature	T_{opr}	-20 to +80	ºC
Storage Temperature	T_{stg}	-30 to +100	ºC
Soldering Temperature	T_{sol} *2	260 (with in 3 seconds)	ºC

*1 I_{FM} conditions : Pulse width Tw≤0.1msec. Duty ratio≤1/10
*2 Soldering portion of lead: 3mm from bottom face of resin package.

■ Electro-Optical Characteristics (Ta = 25°C)

Parameter	Symbol	Condition	Min	Typ.	Max	Unit
Forward Voltage	V_F	I_F = 80 mA	-	3.8	4.3	V
Reverse Current	I_F	V_F = 5 V			10	mA
Radiant Flux	P_O	I_F = 80 mA		4	7	mW
Viewing Angle	$2\theta_{1/2}$	I_F = 80 mA		120		deg.
Peak Wavelength	λ_p	I_F = 80 mA	365	367	370	nm
Spectrum Radiation Bandwidth	$\Delta\lambda$	I_F = 80 mA		11		nm

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