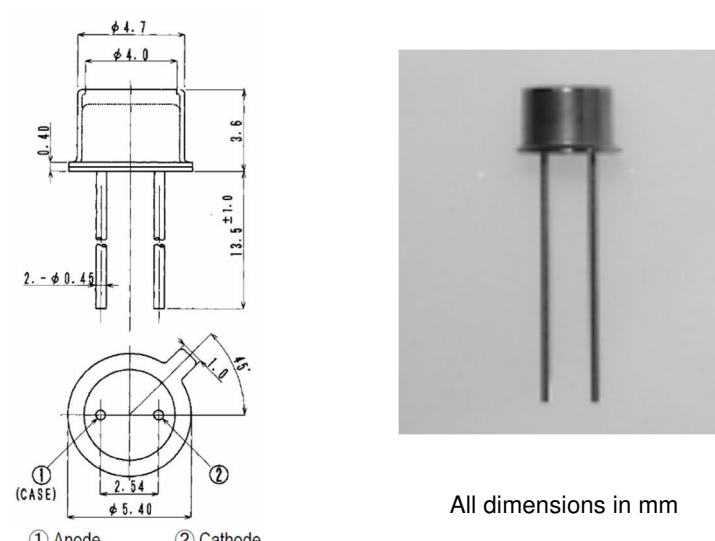


**Data sheet**

**UV LED**

**EOLD-365-092**

Radiation	Type	Case
Ultraviolet	GaN	Metal TO-18 package with flat window

 <p style="text-align: center;">All dimensions in mm</p>	<p><b>Description:</b></p> <p>High output power                  Wide beam angle                  High reliability</p>
	<p><b>Applications:</b></p> <p>Color sensor (money-bill)                  Paper sensor (money-bill)                  Barcode reader                  Fiber applications</p>

**Maximum Ratings**

T<sub>amb</sub>= 25°C, unless otherwise specified



Parameter	Test Conditions	Symbol	Value	Unit
Forward current		I <sub>F</sub>	15	mA
Pulse forward current	t = 10 μs, T = 10 ms	I <sub>FP</sub>	30	mA
Reverse voltage		V <sub>R</sub>	5	V
Reverse current	V <sub>R</sub> = 5 V	I <sub>R</sub>	80	mA
Power dissipation		P <sub>D</sub>	60	mW
Operating temperature range		T <sub>amb</sub>	-20 to +80	°C
Storage temperature range		T <sub>stg</sub>	-30 to +100	°C
Junction temperature		T <sub>J</sub>	100	°C
Lead soldering temperature	< 5 s, > 3 mm from the body	T <sub>slg</sub>	260	°C

**Optical and Electrical Characteristics**

T<sub>amb</sub>= 25°C, unless otherwise specified

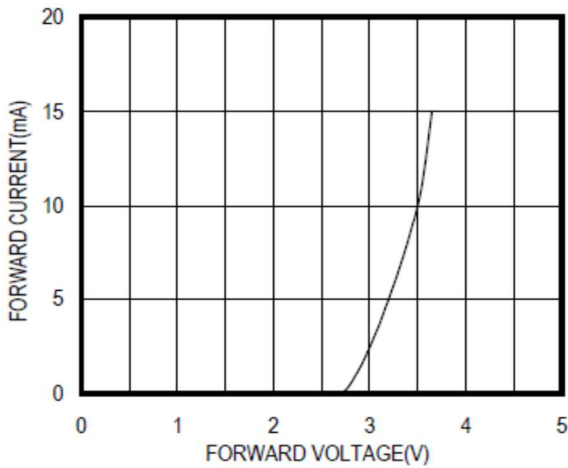
Parameter	Symbol	Conditions	Min	Typ	Max	Unit
Forward voltage	V <sub>F</sub>	I <sub>F</sub> = 10 mA		3.5		V
Radiant power	Φ <sub>e</sub>	I <sub>F</sub> = 10 mA		1.5		mW
Peak wavelength	λ <sub>p</sub>	I <sub>F</sub> = 10 mA		365		nm
FWHM	Δλ <sub>0,5</sub>	I <sub>F</sub> = 10 mA		15		nm
Viewing angle	φ	I <sub>F</sub> = 10 mA		90		deg.

**Data sheet**

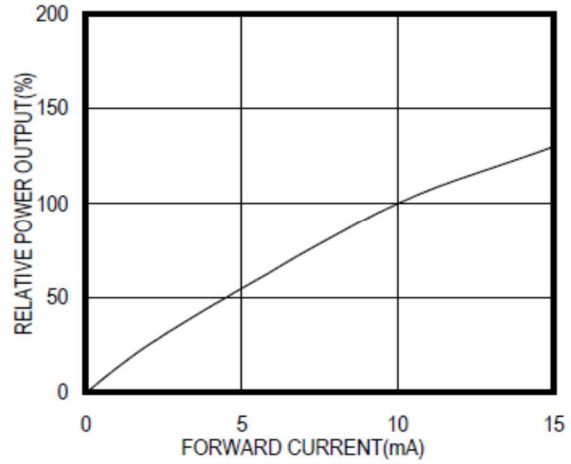
**UV LED**

**EOLD-365-092**

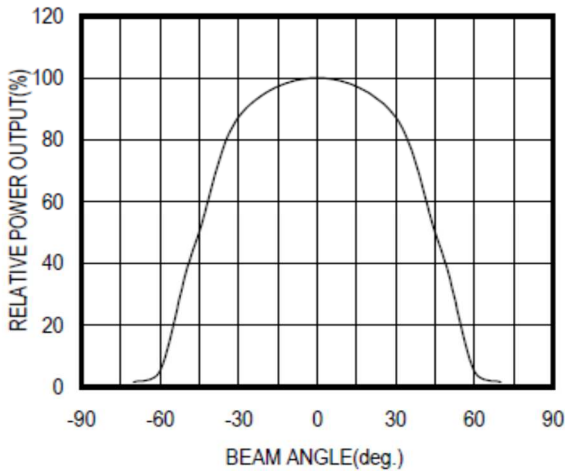
FORWARD I-V CHARACTERISTICS



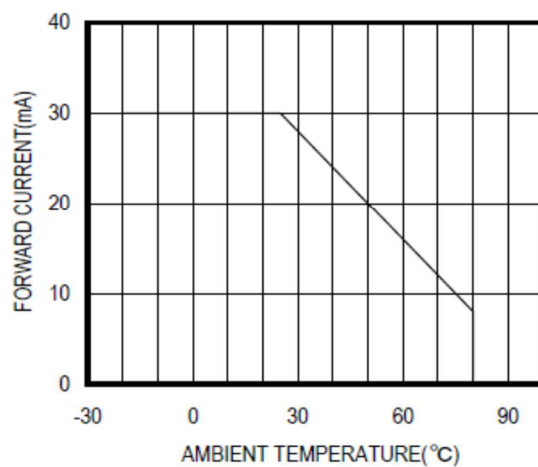
RELATIVE POWER vs FORWARD CURRENT



RADIATION PATTERN



THERMAL DERATING CURVE



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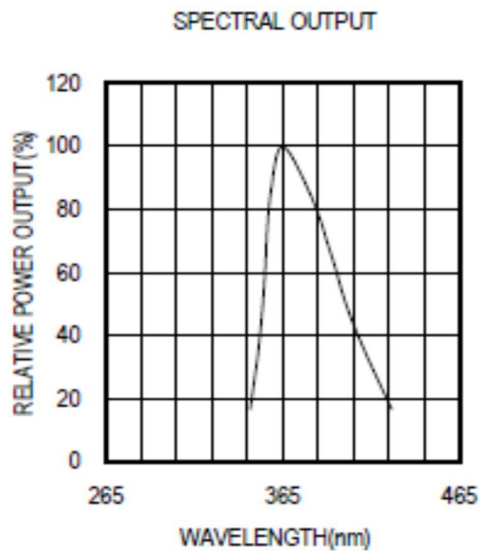
## Data sheet

UV LED

EOLD-365-092

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Rev. 02, 2020



Art. No. 134 236



We reserve the right to make changes to improve technical design and may do so without further notice. Parameters can vary in different applications. All operating parameters must be validated for each customer application by the customer.