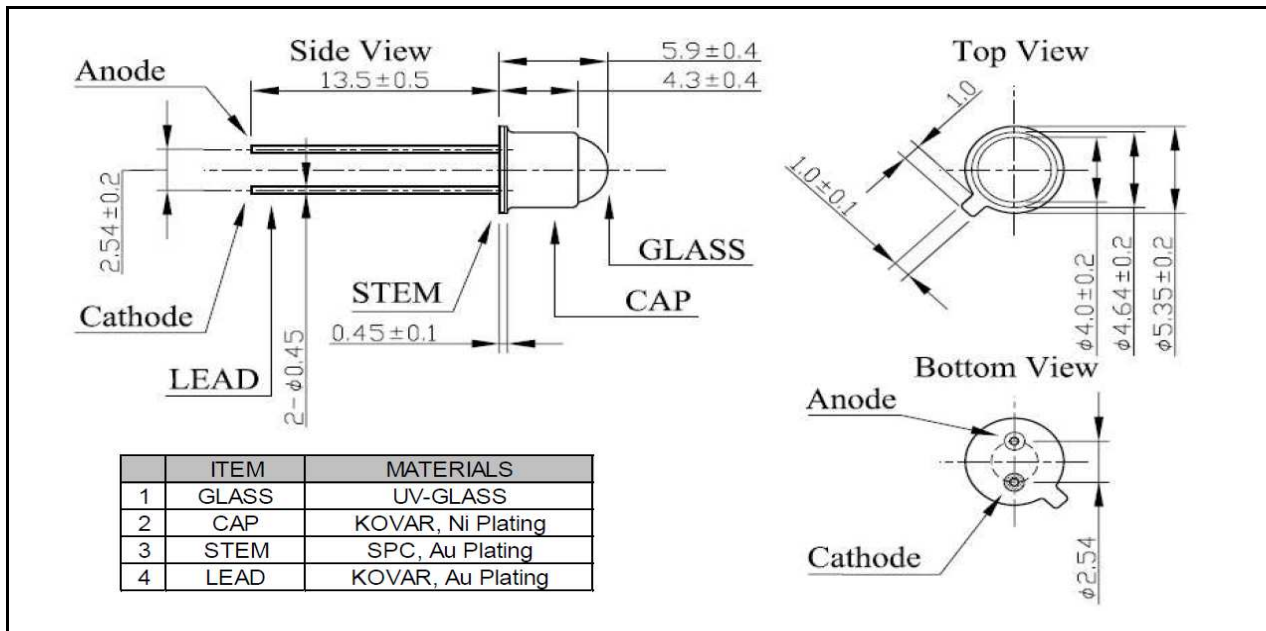


**Data sheet**

**UV LED**

**EOLD-325-013**

Radiation	Type	Case
Ultraviolet (UVA)	AlGaIn	metal TO-46 package with lens*



**Maximum Ratings**

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

Parameter	Test conditions	Symbol	Value	Unit
Forward current		I <sub>F</sub>	40	mA
Operating temperature range		T <sub>amb</sub>	-30 to +80	°C
Storage temperature range		T <sub>stg</sub>	-40 to +100	°C
Lead soldering temperature	< 5 s	T <sub>sld</sub>	300	°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> = 20 mA		5		V
Opt. output power	P <sub>o</sub>	I <sub>F</sub> = 20 mA		0.5		mW
Peak wavelength	λ <sub>p</sub>	I <sub>F</sub> = 20 mA	320	325	330	nm
Viewing angle*	φ	I <sub>F</sub> = 20 mA		6		deg.
Spectral bandwidth at 50%	Δλ <sub>0,5</sub>	I <sub>F</sub> = 20 mA		9		nm
Rise time / fall time**	t <sub>r</sub> , t <sub>f</sub>	I <sub>F</sub> = 200 mA		20; 9		ns

\*on request: sealed TO-5 (TO-39), TO-18 or TO-46 packages with glass lens, viewing angles 4, 6, 24 or 40 degrees or with flat window, viewing angles 113 or 144 degrees

\*\* Frequency 100 kHz, duty factor 1%

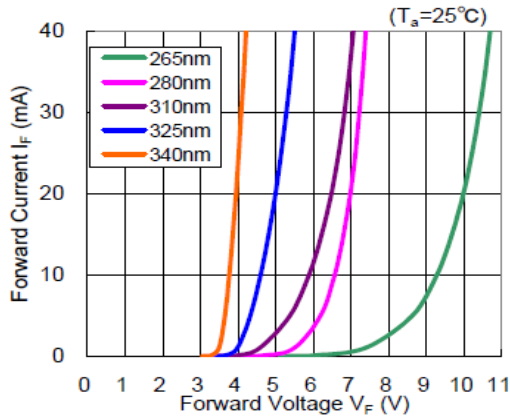
We reserve the right to make changes to improve technical design and may do so without further notice. Parameters can vary in different applications. All operating parameters must be validated for each customer application by the customer.

**Data sheet**

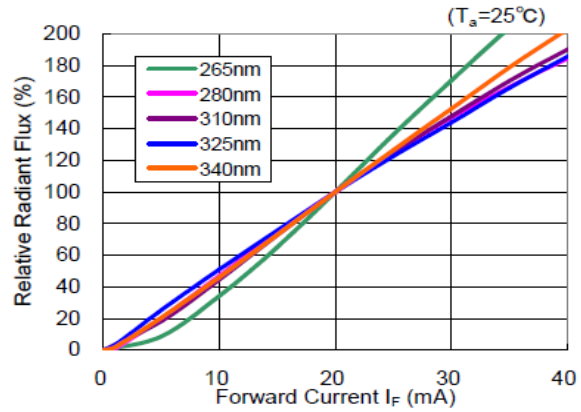
**UV LED**

**EOLD-325-013**

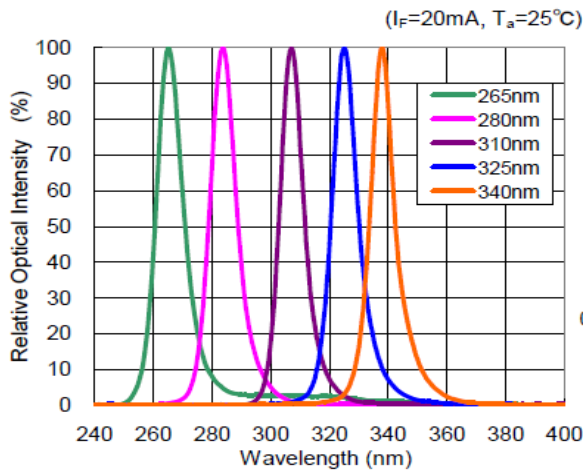
**Forward Current vs Forward Voltage**



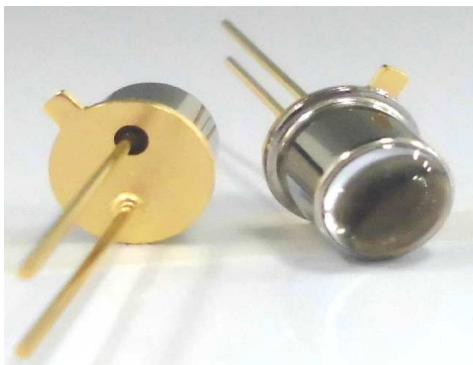
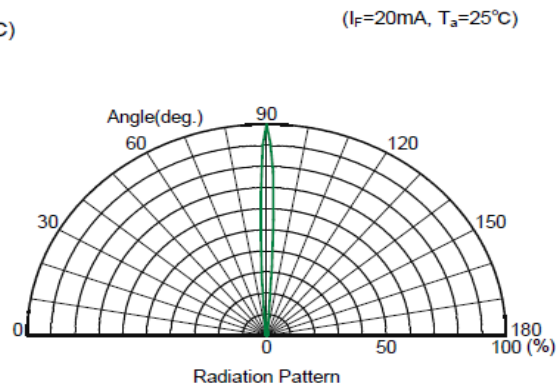
**Forward Current vs Radiant Flux**



**Relative Intensity vs Peak Wavelength**



**Radiation Pattern**



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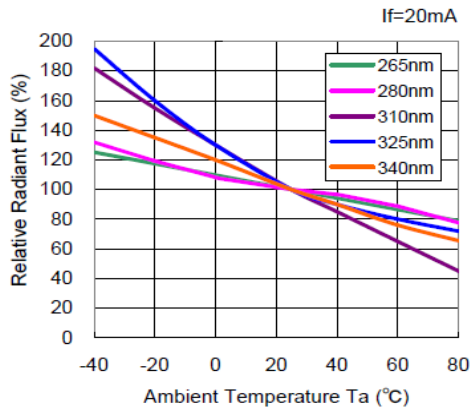
## Data sheet

### UV LED

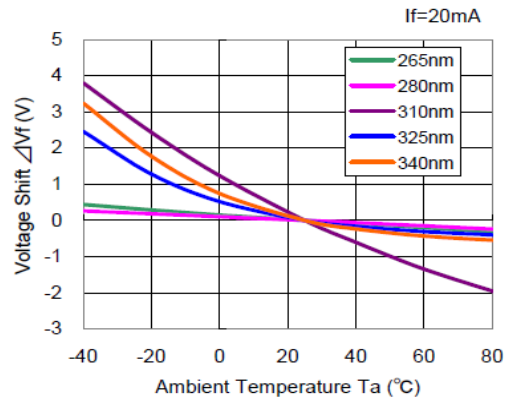
### EOLD-325-013

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#### Radiant Flux vs Ambient Temperature



#### Voltage Shift vs Ambient Temperature



#### Wavelength Shift vs Ambient Temperature

