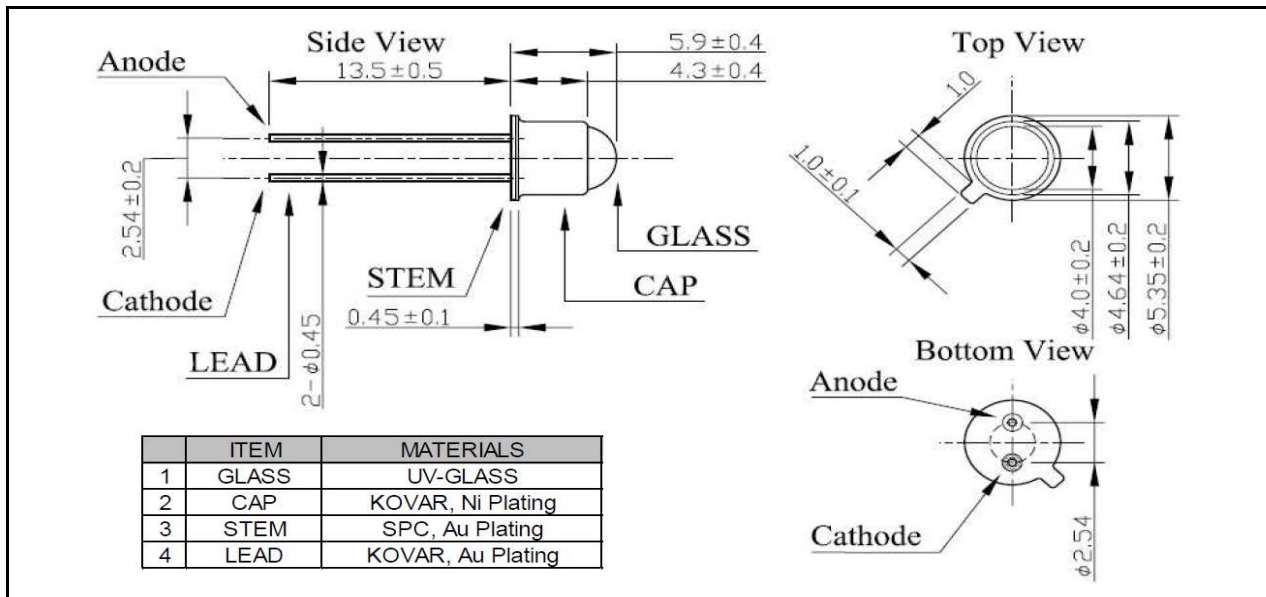


Data sheet

UV LED

EOLD-265-013

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



anode, connected with case
 cathode, isolated from case

Maximum Ratings

T_{amb}= 25°C, unless otherwise specified

Parameter	Test conditions	Symbol	Value	Unit
Forward current		I _F	40	mA
Reverse voltage	I _R =10 μA	V _R	>4	V
Reverse voltage	V _R =5 V	I _R	<50	μA
Operating temperature range		T _{amb}	-30 to +80	°C
Storage temperature range		T _{stg}	-40 to +100	°C
Lead soldering temperature	<5 s	T _{slg}	300	°C

Optical and Electrical Characteristics

T_{amb}= 25°C, unless otherwise specified

Parameter	Symbol	Conditions	Min	Typ	Max	Unit
Forward voltage	V _F	I _F = 20 mA		7		V
Radiant power	Φ _e	I _F = 20 mA		0.5		mW
Peak wavelength	λ _p	I _F = 20 mA	260	265	270	nm
Viewing angle	φ	I _F = 20 mA		6		deg.
FWHM	Δλ _{0,5}	I _F = 20 mA		13		nm

EPIGAP Optronic GmbH

Koepenicker Str. 325b
D-12555 Berlin
Fon: +49 (0)30 657637 60
Fax: +49 (0)30 657637 70
sales@epigap-optronic.de

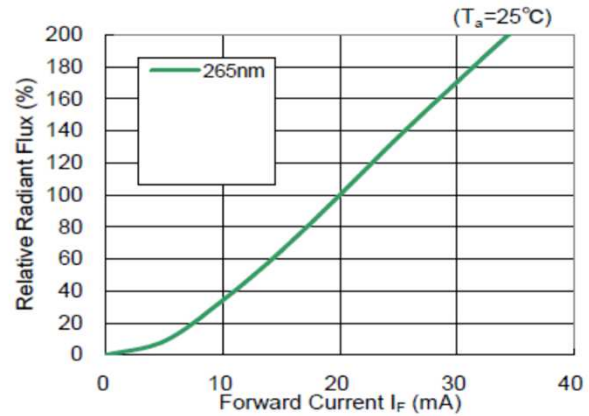
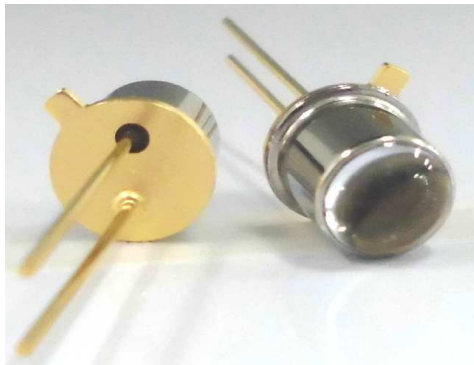


Data sheet

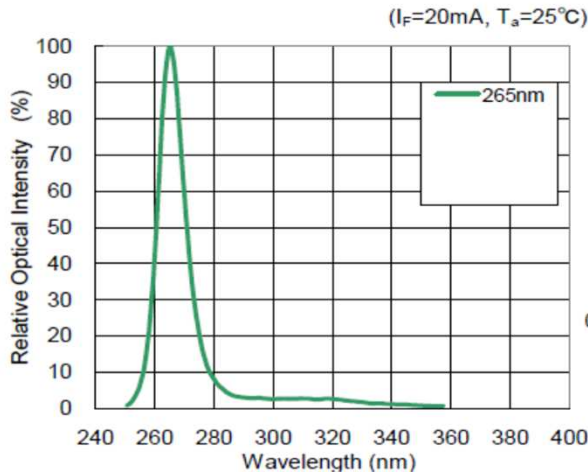
UV LED

EOLD-265-013

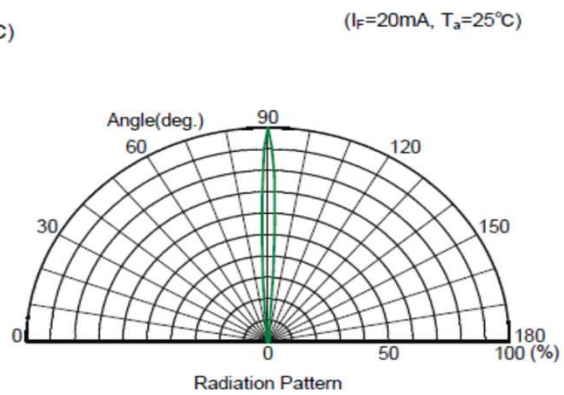
Radiant Flux vs Forward Current



Relative Intensity vs Peak Wavelength



Radiation Pattern



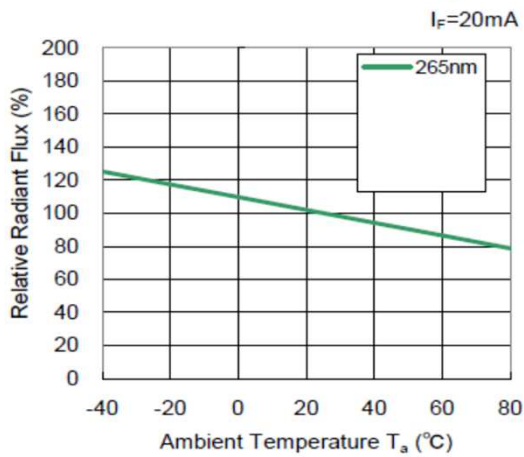
We reserve the right to make changes to improve technical design and may do so without further notice. Parameters can vary in different applications. All operating parameters must be validated for each customer application by the customer.

Data sheet

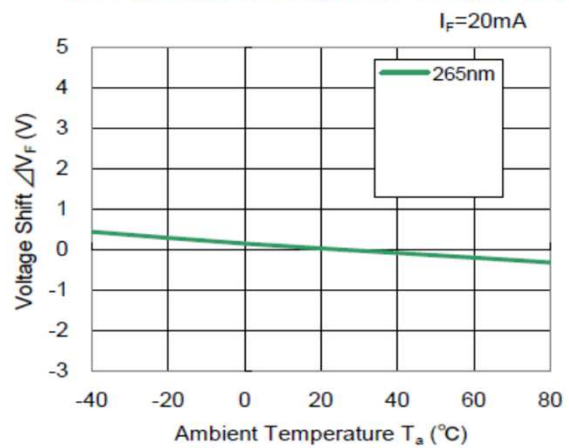
UV LED

EOLD-265-013

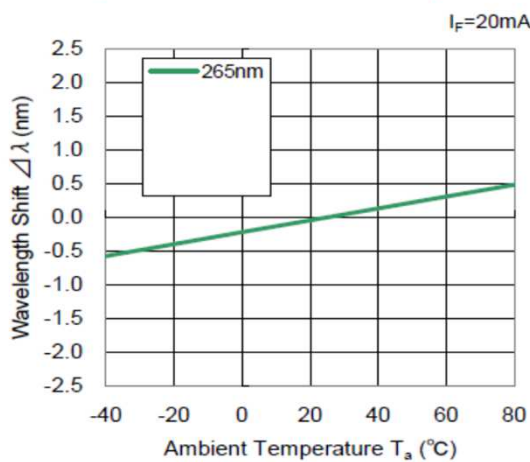
Radiant Flux vs Ambient Temperature



Voltage Shift vs Ambient Temperature



Wavelength Shift vs Ambient Temperature



Art. No. 134 107



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.