

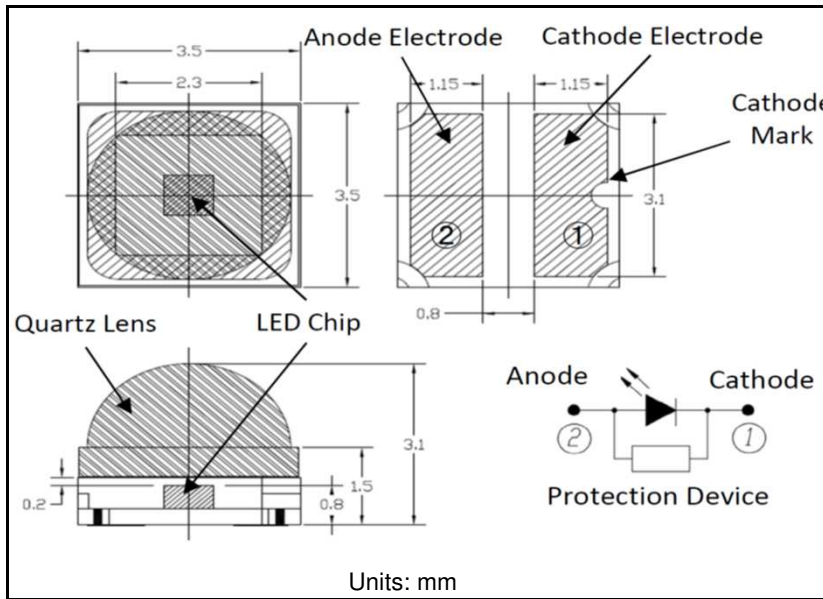
Data Sheet**Tentative**

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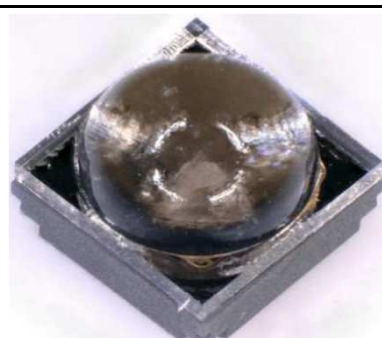
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UV SMD LED**EOLS-255-637**

Radiation	Type	Case
Deep UV (UVC)	AlGaIn	SMD 3535 (1414), with lens



Units: mm



Applications:

- Analytical instruments: biochemical, medical, and scientific analysis
- Photo catalyst
- Medical phototherapy
- UV curing: spot bonding, printing, film coating and general purpose

Maximum Ratings $T_{amb} = 25^{\circ}\text{C}$, unless otherwise specified

Parameter	Test conditions	Symbol	Value	Unit
Forward current		I_F	350	mA
Junction temperature		T_J	90	$^{\circ}\text{C}$
Operating temperature range		T_{amb}	-30 to +85	$^{\circ}\text{C}$
Storage temperature range	no condensation	T_{stg}	-40 to +85	$^{\circ}\text{C}$
Soldering temperature	within 5 sec	T_{sol}	260	$^{\circ}\text{C}$
Thermal resistance junction-ambient		R_{th}	15	K/W

Optical and Electrical Characteristics $T_{amb} = 25^{\circ}\text{C}$, unless otherwise specified

Parameter	Symbol	Conditions	Min	typ	max	Unit
Forward voltage	V_F	$I_F = 350\text{ mA}$		6.8		V
Radiant power	Φ_e	$I_F = 350\text{ mA}$		4		mW
Peak wavelength	λ_p	$I_F = 350\text{ mA}$	250	255	260	nm
FWHM	$\Delta\lambda_{0.5}$	$I_F = 350\text{ mA}$		10		nm
Viewing half angle	φ	$I_F = 350\text{ mA}$		35		deg

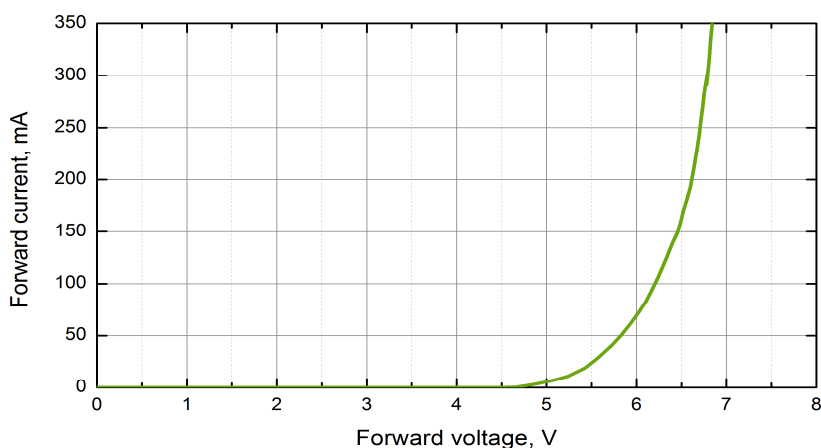
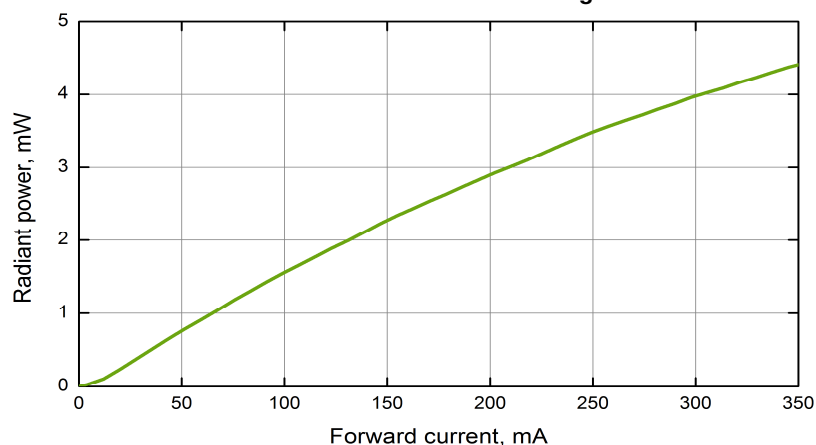
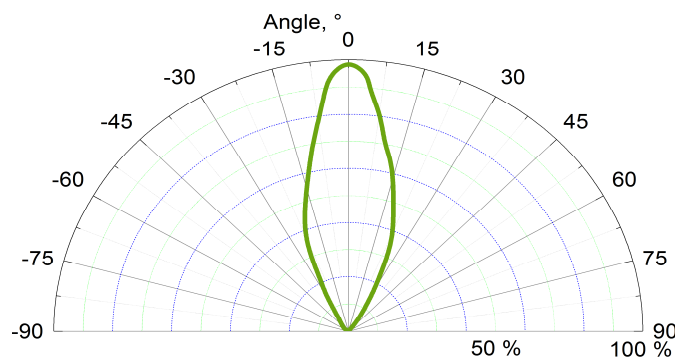


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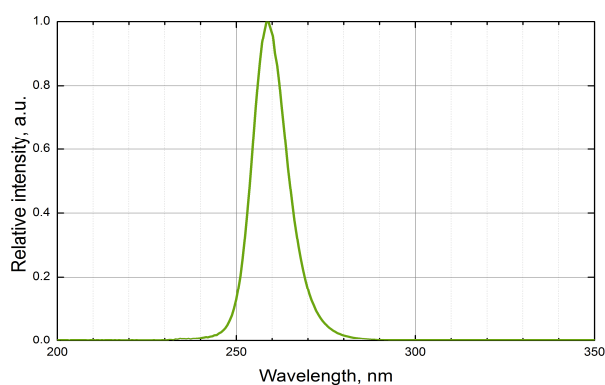
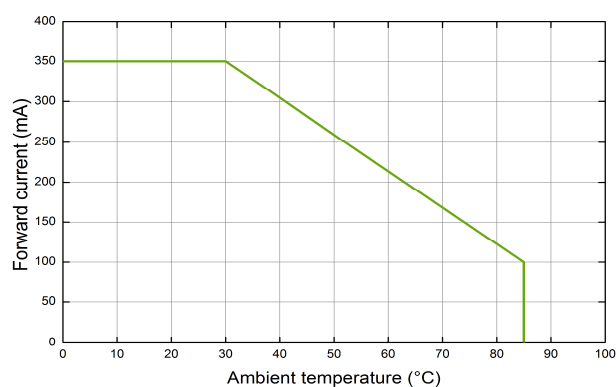
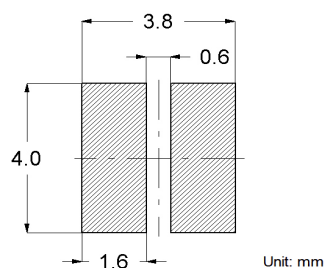
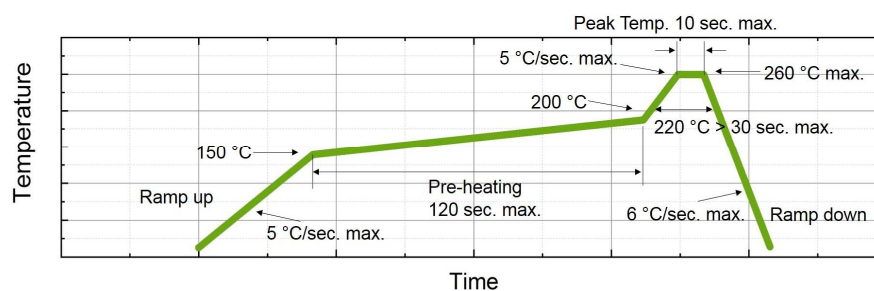
**Forward current vs. forward voltage****Radiant power vs. forward current****Radiation pattern**

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**Spectrum @ 350 mA****Derating curve****Recommended solder pad****Recommended reflow soldering profile**

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Data Sheet

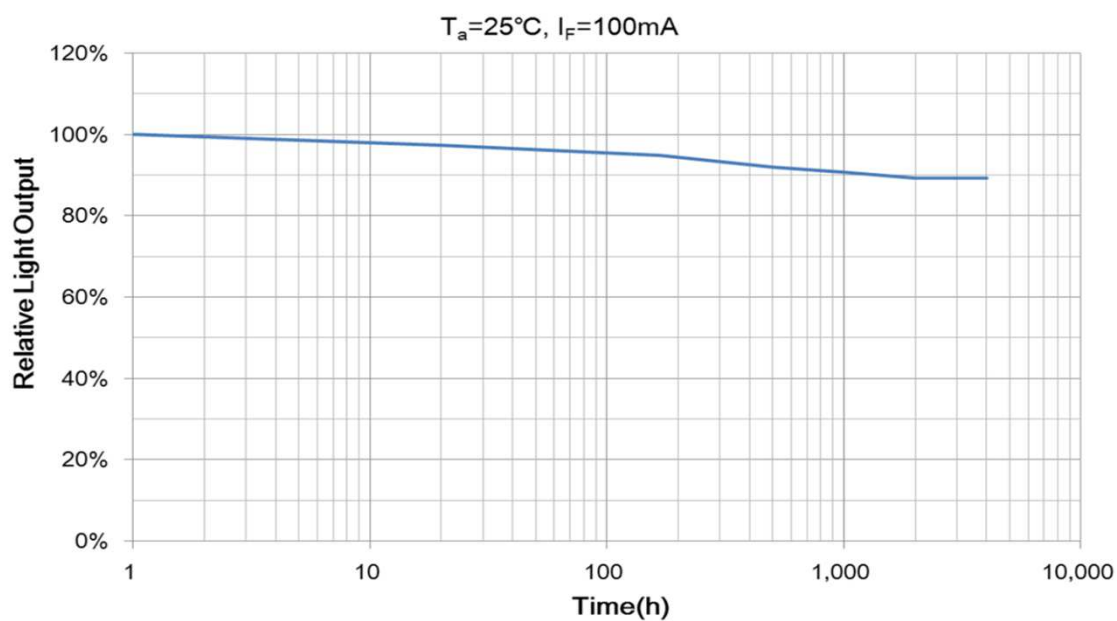
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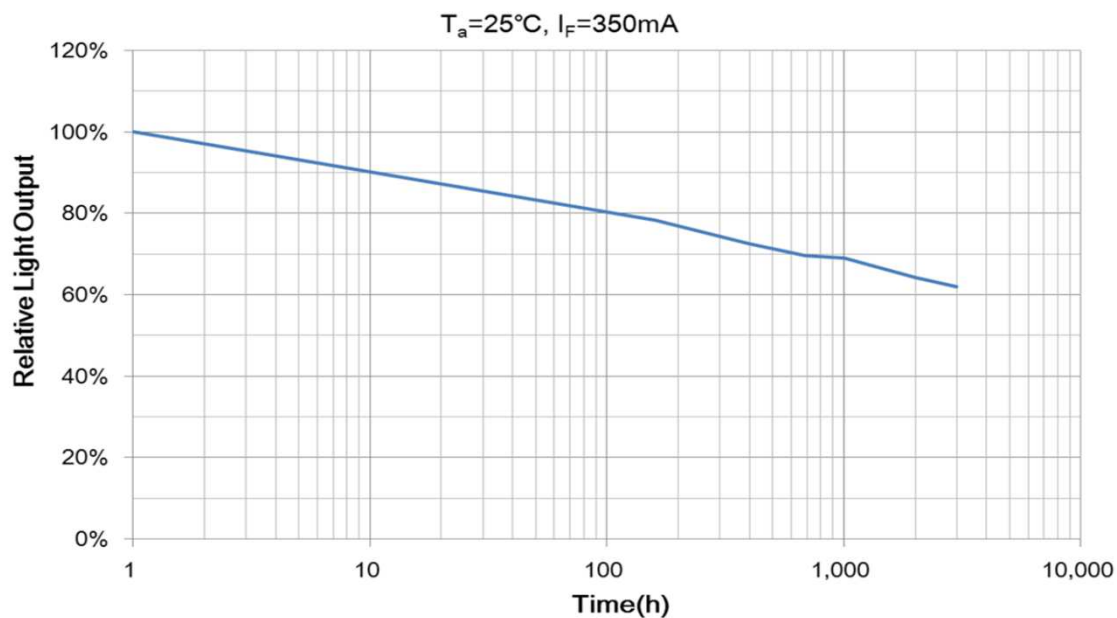
UV SMD LED

EOLS-255-637

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Life expectancy data



Life expectancy data



Art. No. 133 265

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.