

Product specifications (preliminary)

Revision
Revision date

4
July 24, 2014

Model	UV-266-20																														
Optical characteristics	<table border="1" style="width: 100%;"> <thead> <tr> <th style="width: 33%;"></th> <th style="width: 33%;">Min.</th> <th style="width: 33%;">Typ.</th> <th style="width: 33%;">Max.</th> </tr> </thead> <tbody> <tr> <td>Central emission wavelength</td> <td>265 nm</td> <td>266 nm</td> <td>267 nm</td> </tr> <tr> <td>Spectral width</td> <td></td> <td></td> <td>100 MHz</td> </tr> <tr> <td>Polarization state</td> <td colspan="3" style="text-align: center;">Linear, horizontal orientation</td> </tr> <tr> <td>Polarization extinction ratio</td> <td>25 dB</td> <td></td> <td></td> </tr> <tr> <td>Continuous wave output power</td> <td>20 mW</td> <td></td> <td></td> </tr> <tr> <td>Power stability over 8 hours, temperature variation of $\pm 3^\circ\text{K}$</td> <td></td> <td style="text-align: center;">$\pm 2\%$ p-to-p</td> <td></td> </tr> </tbody> </table>				Min.	Typ.	Max.	Central emission wavelength	265 nm	266 nm	267 nm	Spectral width			100 MHz	Polarization state	Linear, horizontal orientation			Polarization extinction ratio	25 dB			Continuous wave output power	20 mW			Power stability over 8 hours, temperature variation of $\pm 3^\circ\text{K}$		$\pm 2\%$ p-to-p	
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Beam characteristics	Monomode collimated beam																														
Beam waist diameter ($1/e^2$), at 50mm from output aperture		0,3 mm																													
Beam divergence at $1/e^2$, full angle, in far field		1,5 mrad																													
Beam quality factor (M^2)		1.3	1.4																												
[OPTION] Telescope (embedded)	x 2 / x 2.7 enlargement																														
Beam waist diameter ($1/e^2$), at 50mm from output aperture		0,6 mm / 0.8 mm																													
Interfaces, peripherals and environment	External monolithic resonant cavity																														
Technology	USB																														
Interface	Present																														
Laser driver	Present																														
Start-up time			15 min.																												
Supply voltage, AC	115 V		230 V																												
Power consumption			70 W																												
Cooling method, laser head laser driver	Conduction via base plate Conduction via base plate																														
Operating temperature, measured on the base plate	20 °C		40 °C																												
Dimensions (L x W x H), laser head laser driver	200 x 150 x 80 mm ³ 140 x 200 x 80 mm ³																														