

TEST DATA

Conduction Cooled Diode Laser Single Bar Series

MN-808.3-40C TEST DATA

MN-808.3-50C TEST DATA

MN-915.3-40C TEST DATA

MN-940.3-40C TEST DATA

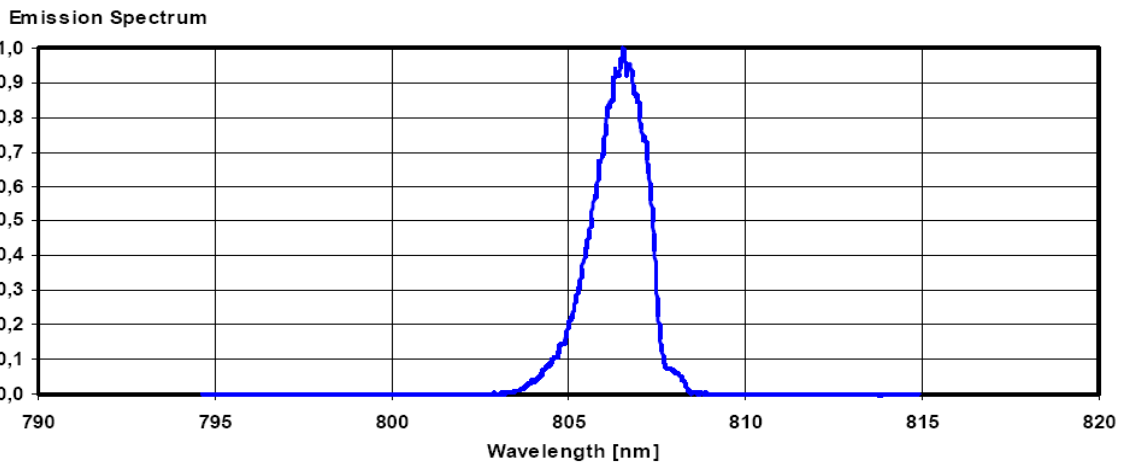
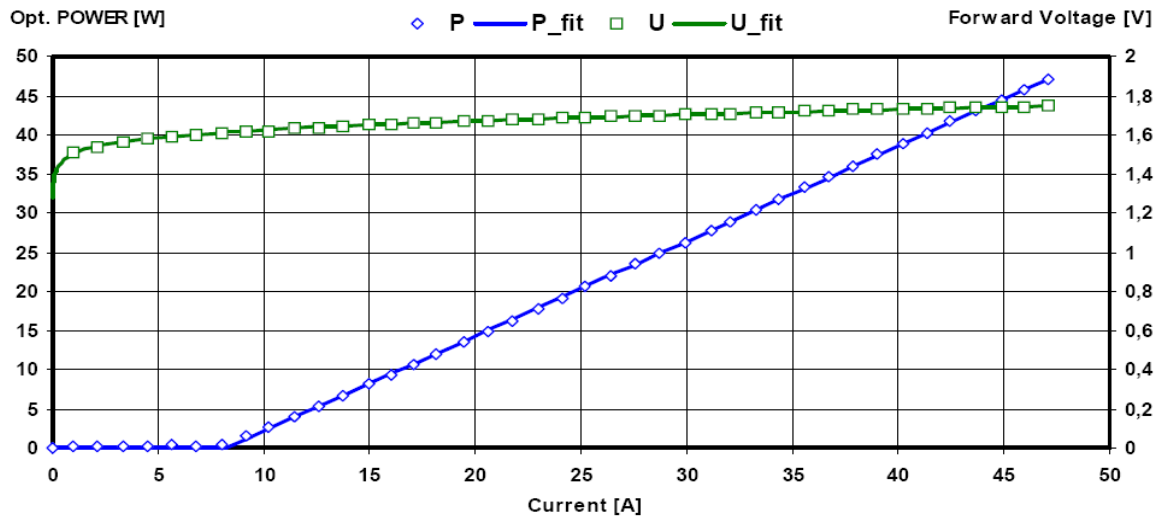
MN-980.3-40C TEST DATA

MN-808.3-100Q TEST DATA

E1-aXK-N-808-E9.1.10 TEST DATA

Example of MN-808.3-40C

P (45 A)	44,6 W	Wavelength (cent.)	806,3 nm
I (40,0 W)	41,2 A	Line width	2,5 nm
Threshold	8,2 A	Temperature	20,0 °C
Slope	1,21 W/A	Current	41,3 A
Overall efficiency	56,1 %		
UF	1,73 V		
UE	1,63 V		
Rs	2,4 mOhm		



DILAS products specifications are subject to change without notice. For handling precautions, please reference the general handling instruction manual.

For complete details, please contact your local DILAS sales representative or visit our website at www.DILAS.com.

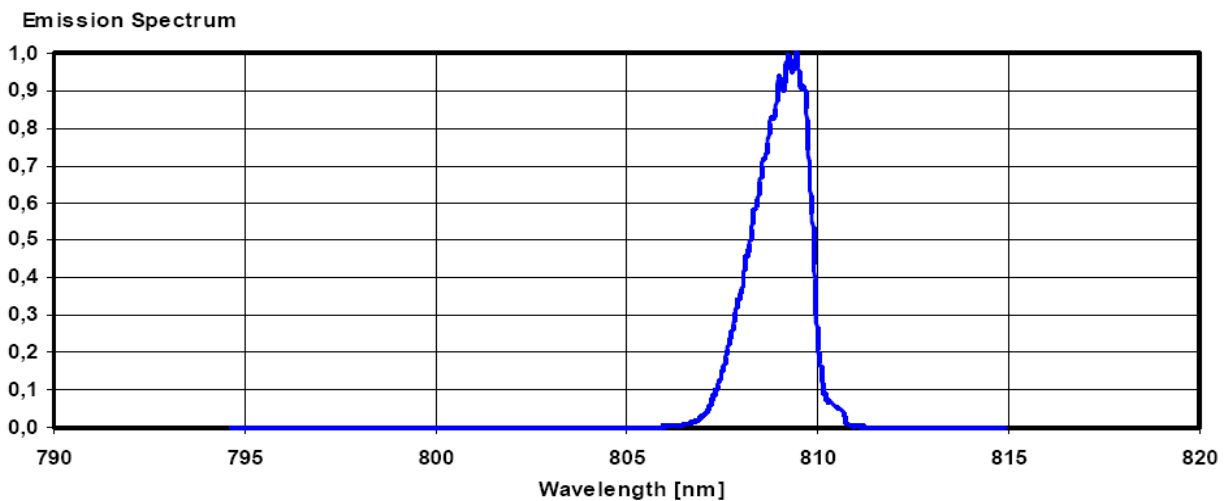
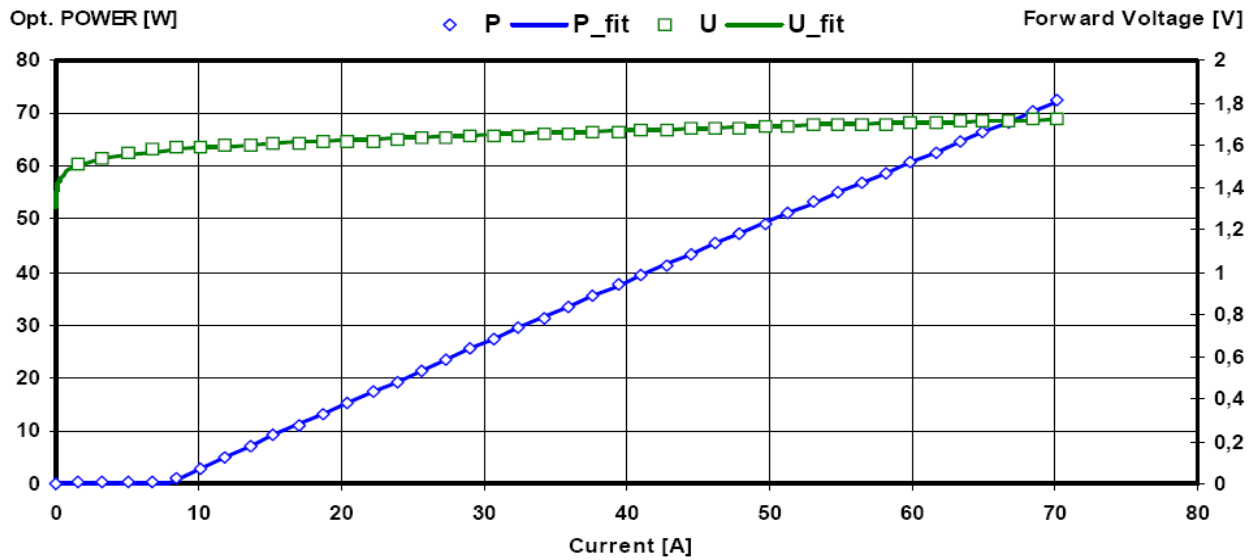
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Example of MN-808.3-50C

P (60 A)	60,9 W	Wavelength (cent.)	808,9 nm
I (50,0 W)	50,3 A	Line width	2,2 nm
Threshold	7,7 A	Temperature	25,0 °C
Slope	1,21 W/A	Current	50,4 A
Overall efficiency	58,8 %		
UF	1,69 V		
UE	1,60 V		
Rs	1,7 mOhm		



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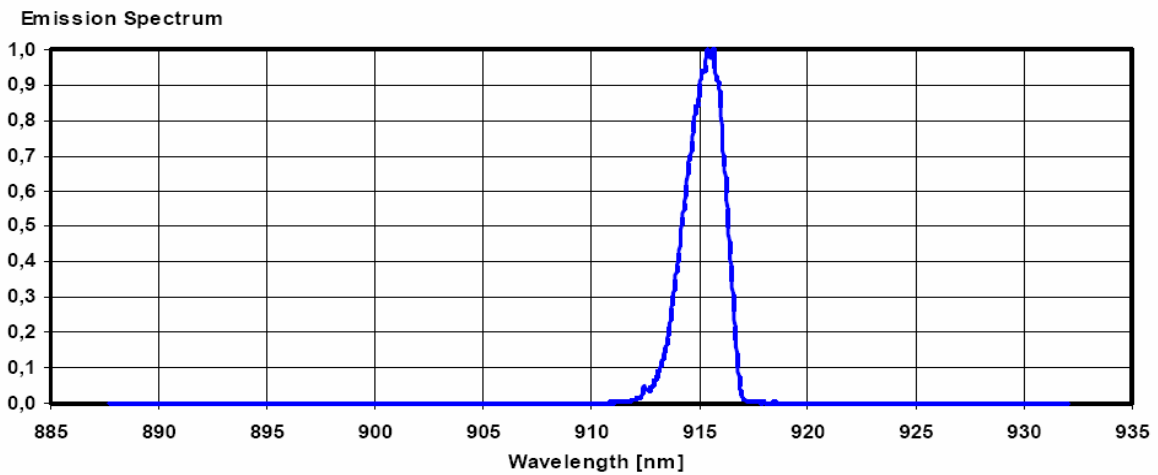
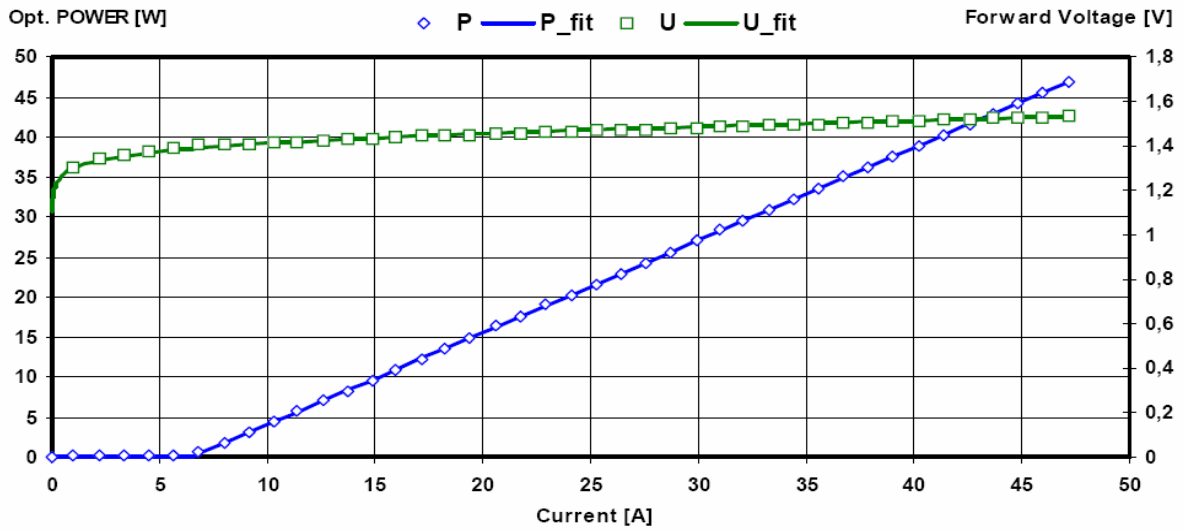
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Example of MN-915.3-40C

P (45 A)	44,4 W	Wavelength (cent.)	915,2 nm
I (40,0 W)	41,1 A	Line width	2,8 nm
Threshold	6,5 A	Temperature	25,1 °C
Slope	1,16 W/A	Current	41,2 A
Overall efficiency	64,1 %		
UF	1,52 V		
UE	1,41 V		
Rs	2,5 mOhm		



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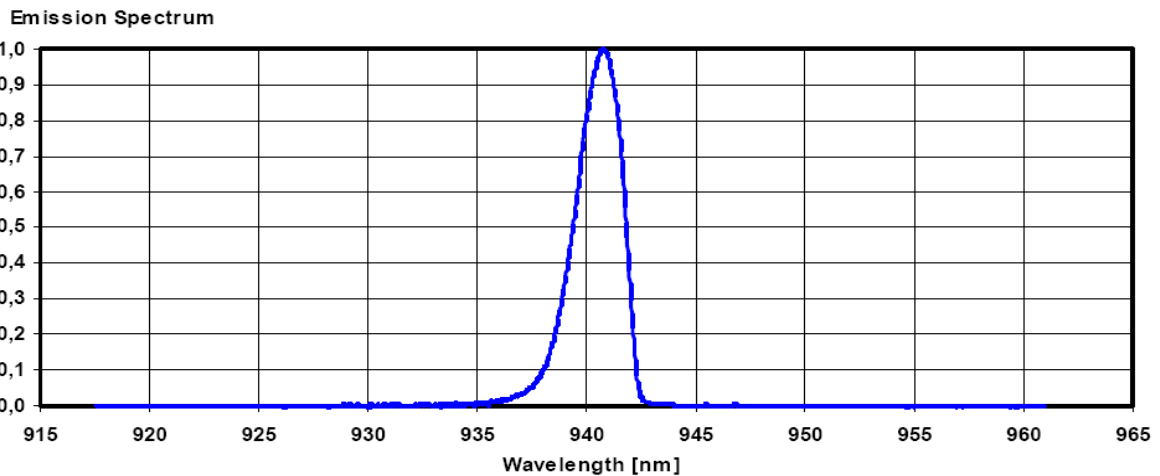
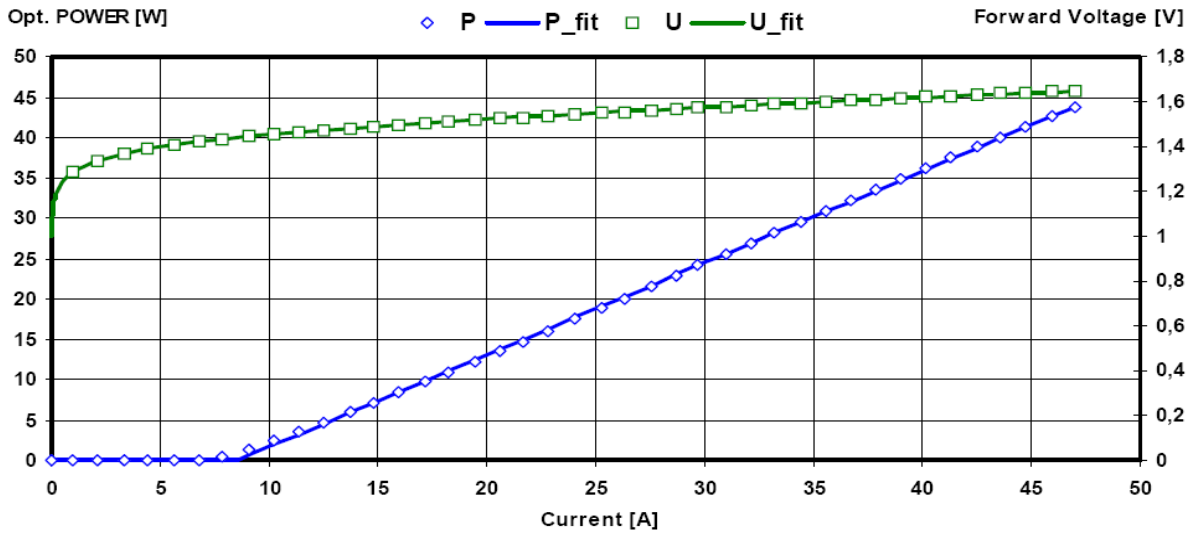
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Example of MN-940.3-40C

P (45 A)	41,6 W	Wavelength (cent.)	940,4 nm
I (40,0 W)	43,6 A	Line width	3,4 nm
Threshold	8,5 A	Temperature	25,1 °C
Slope	1,14 W/A	Current	43,5 A
Overall efficiency	56,1 %		
UF	1,63 V		
UE	1,46 V		
Rs	4,1 mOhm		



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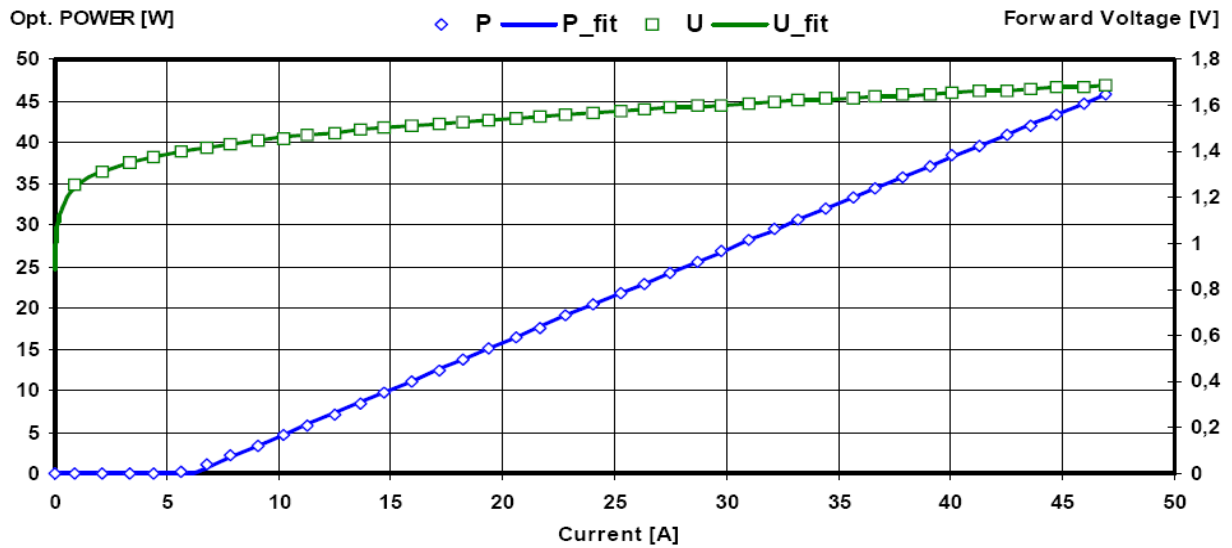
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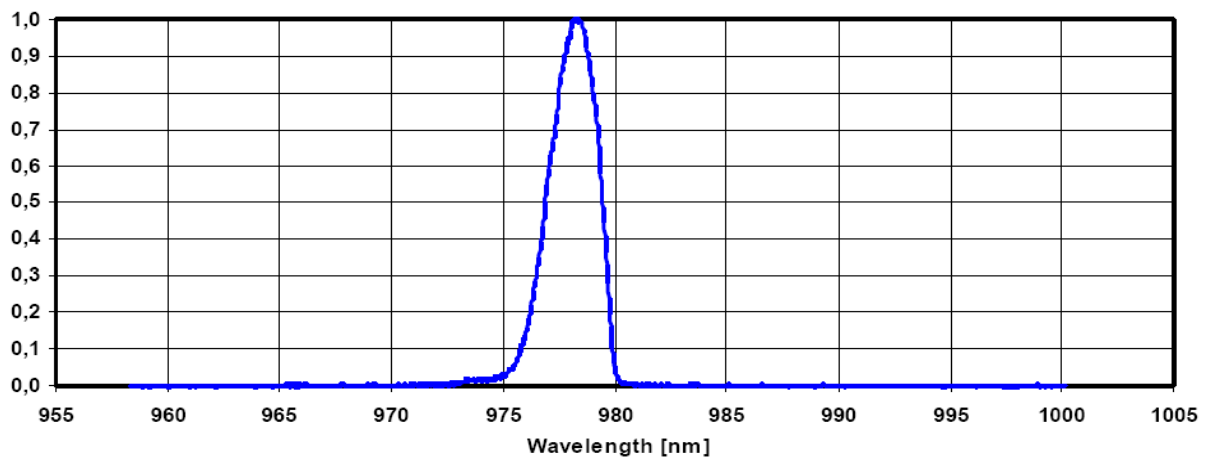
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Example of MN-980.3-40C

P (45 A)	43,7 W	Wavelength (cent.)	978,1 nm
I (40,0 W)	41,6 A	Line width	3,2 nm
Threshold	6,1 A	Temperature	25,1 °C
Slope	1,15 W/A	Current	41,7 A
Overall efficiency	57,8 %		
UF	1,66 V		
UE	1,46 V		
Rs	4,8 mOhm		



Emission Spectrum



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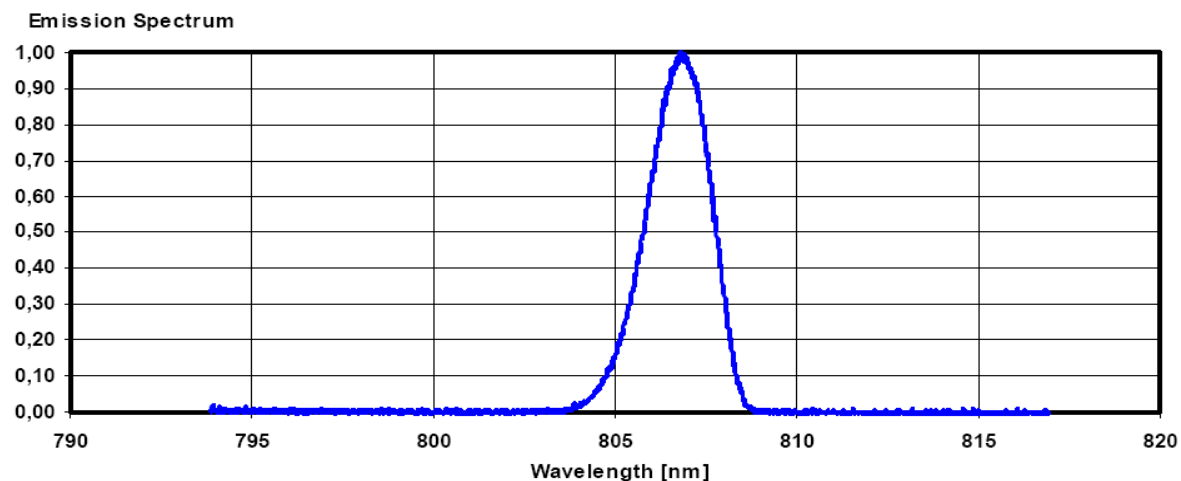
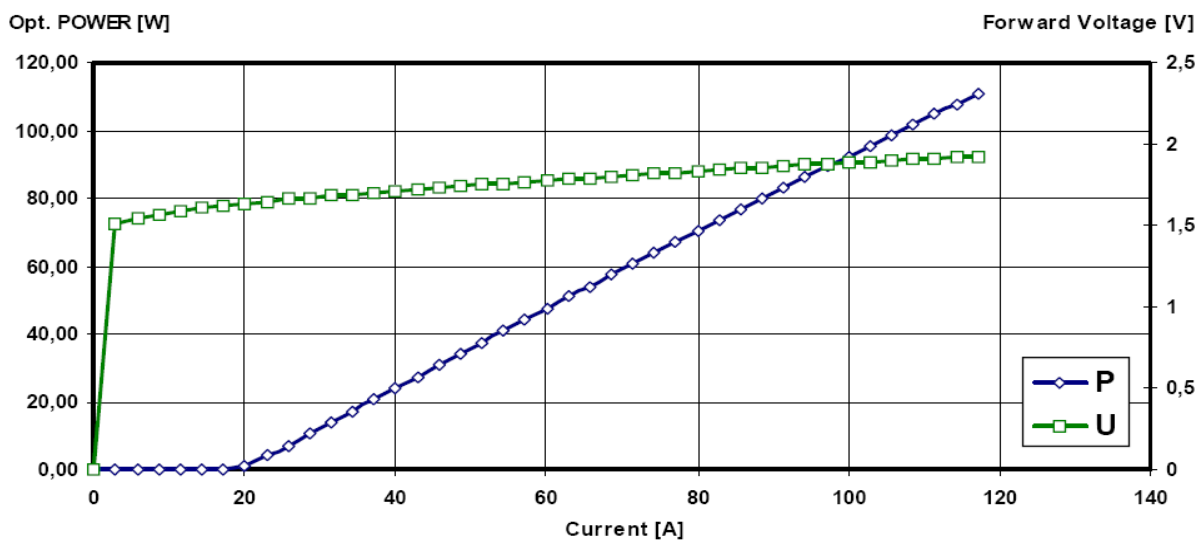
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Example of MN-808.3-100Q

P (115 A)	108,8 W	Wavelength (cent.)	806,7 nm
I (100,0 W)	106,9 A	Line width	2,8 nm
Threshold	19,9 A	Temperature	25,1 °C
Slope	1,21 W/A	Current	107,0 A
Overall efficiency	49,2 %	DutyCycle	2,0 %
UF	1,90 V	Frequency	50,0 Hz
UE	1,63 V		
Rs	2,5 mOhm		



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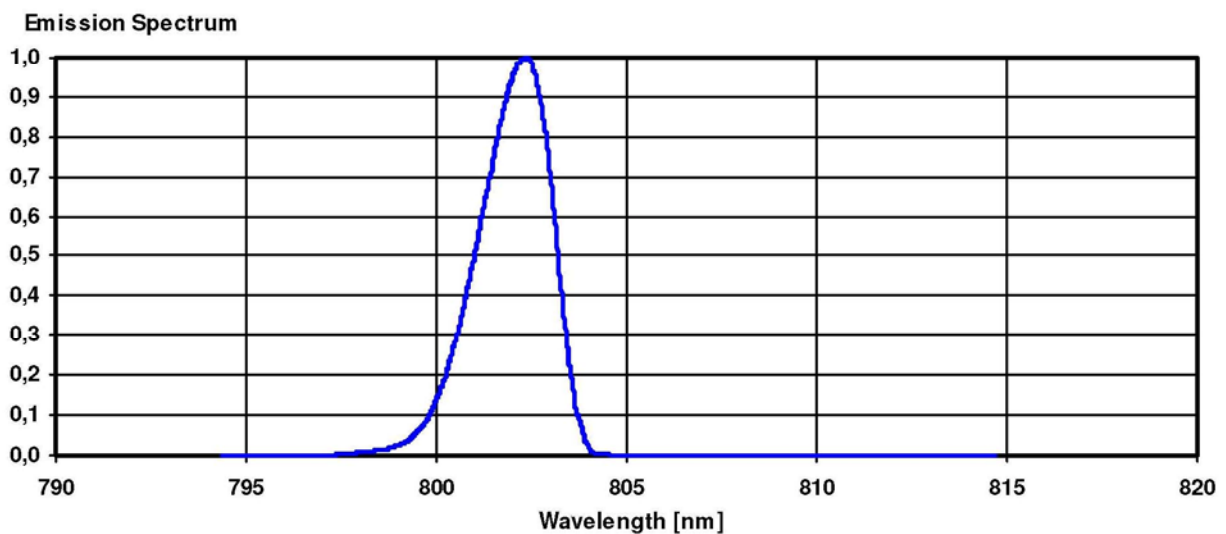
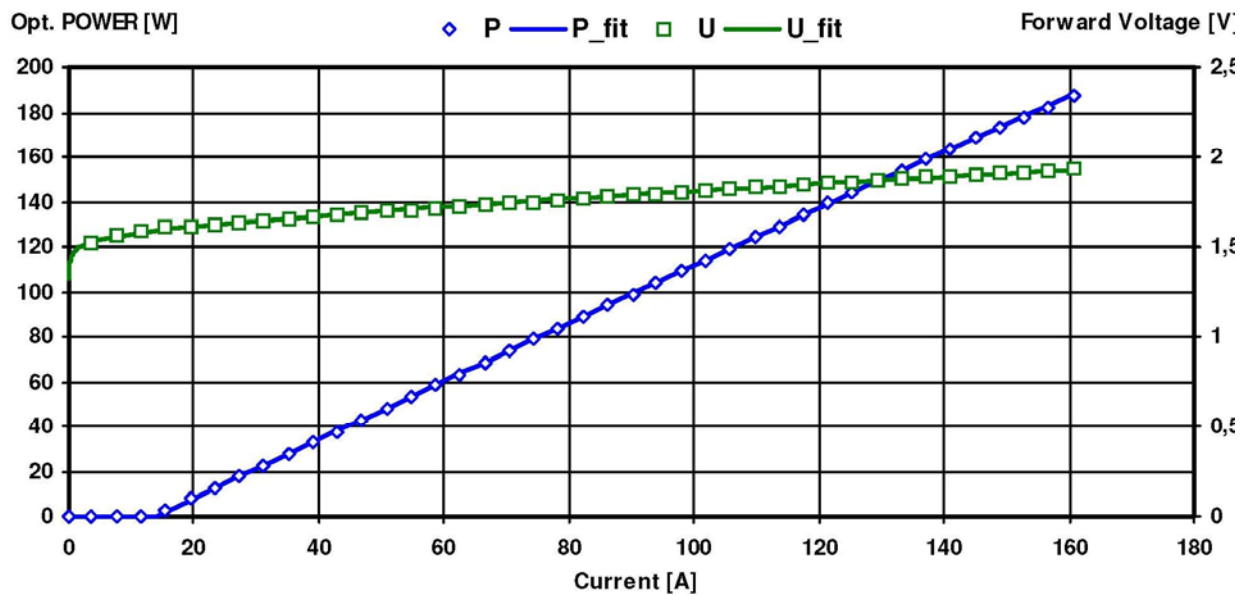
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Example of E1-aXK-N-808-E9.1.10

P (160 A)	187,1 W	Wavelength (cent.)	802,0 nm
I (150,0 W)	130,2 A	Line width	3,0 nm
Threshold	14,1 A	Temperature	20,8 °C
Slope	1,33 W/A	Current	130,4 A
Overall efficiency	61,7 %	DutyCycle	2,0 %
UF	1,87 V	Frequency	40,0 Hz
UE	1,61 V		
Rs	2,0 mOhm		



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