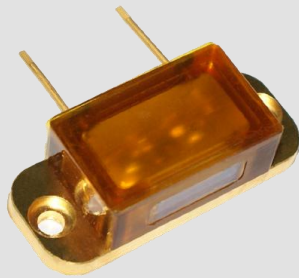


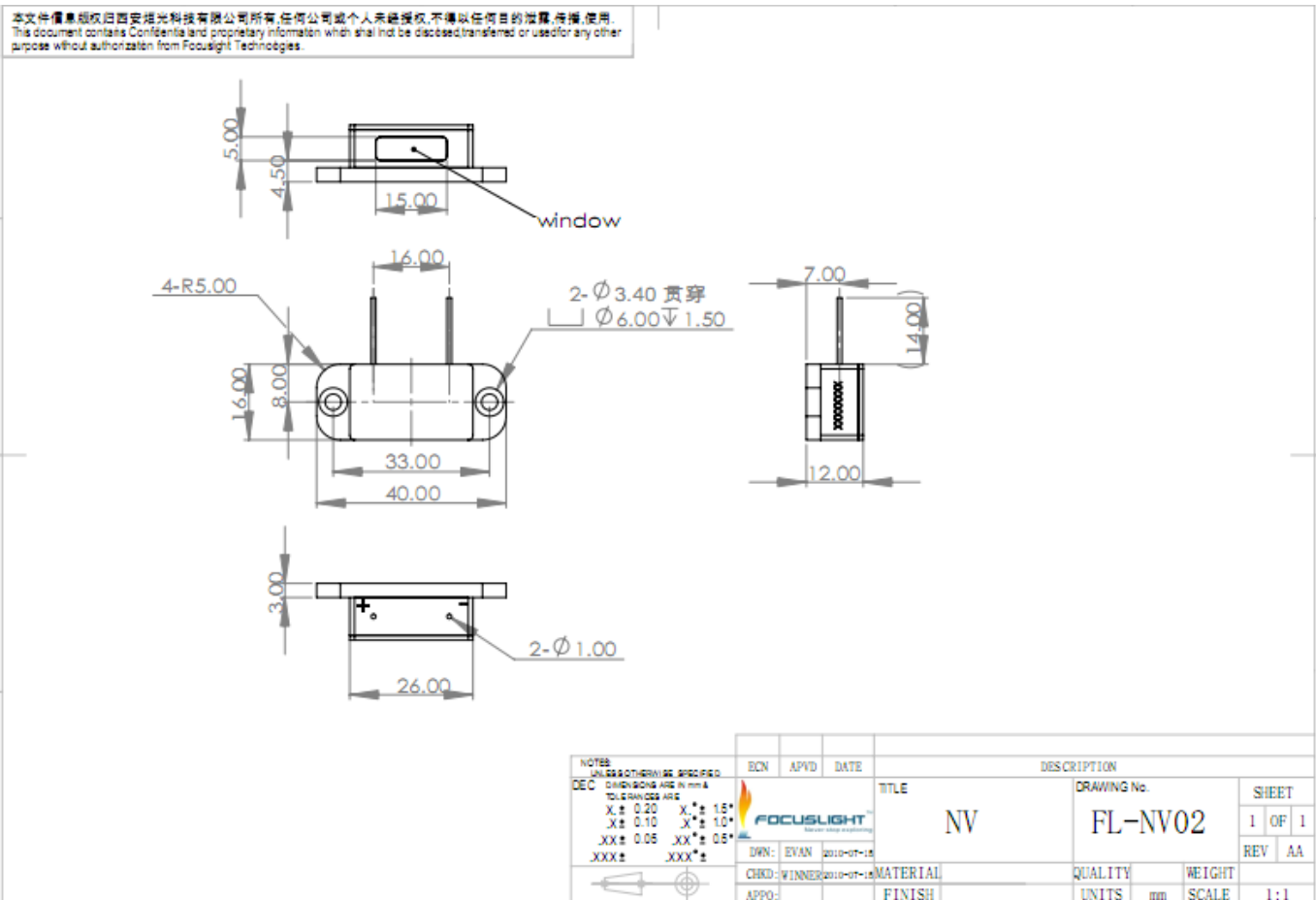
Fully Sealing Beam Shaping Single Emitter (CW)



Features

- High reliability
- High stability
- Harsh environmental applications

Device Dimension (mm)



This structure drawing is only for reference. For any other special requirement, please feel free to contact us.

Fully Sealing Beam Shaping Single Emitter (CW)

Specification

Module Type ¹	Units	FL-NV02-3-808	FL-NV02-5-808	FL-NV02-6-808
Optical^{3,6}				
Center Wavelength λ	nm	808	808	808
Wavelength Tolerance	nm	± 3	± 3	± 3
Output Power ²	W	3	5	6
Spectral Width FWHM	nm	≤ 2	≤ 2	≤ 3
Spectral Width FW90%E	nm	≤ 3	≤ 4	≤ 4
Fast Axis Divergence(FWHM) ⁴	degree	35	35	35
Slow Axis Divergence(FWHM)	degree	8	8	8
Polarization Mode	-	TM	TE	TM
Wavelength Temp. Coefficient	nm/°C	~ 0.28	~ 0.28	~ 0.28
Electrical Parameters^{3,6}				
Operating Current I_{op}	A	≤ 3	≤ 5.5	≤ 7
Threshold Current I_{th}	A	≤ 0.7	≤ 0.9	≤ 1.4
Operating Voltage V_{op}	V	≤ 2	≤ 2	≤ 2
Slope Efficiency	W/A	≥ 1	≥ 1	≥ 1.1
Power Conversion Efficiency	%	≥ 49	≥ 48	≥ 48
Thermal Parameters				
Operating Temperature	°C	-40-40	-40-40	-40-40
Storage Temperature ⁵	°C	-40-60	-40-60	-40-60
Recommended Heatsink Capacity	W	≥ 6	≥ 10	≥ 12

¹Explanation for the name of Module Type: FL(abbreviation of Focuslight) -NV02(structure code) -3(output power) -808(center wavelength).

²Reduced lifetime if used above nominal operating conditions.

³data at 25°C temperature, unless otherwise stated.

⁴For fast axis collimation: divergence $< 4^\circ$.

⁵A non-condensing environment is required for storage and operation below ambient dew point.

⁶If there are any other requirements, please contact us.



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