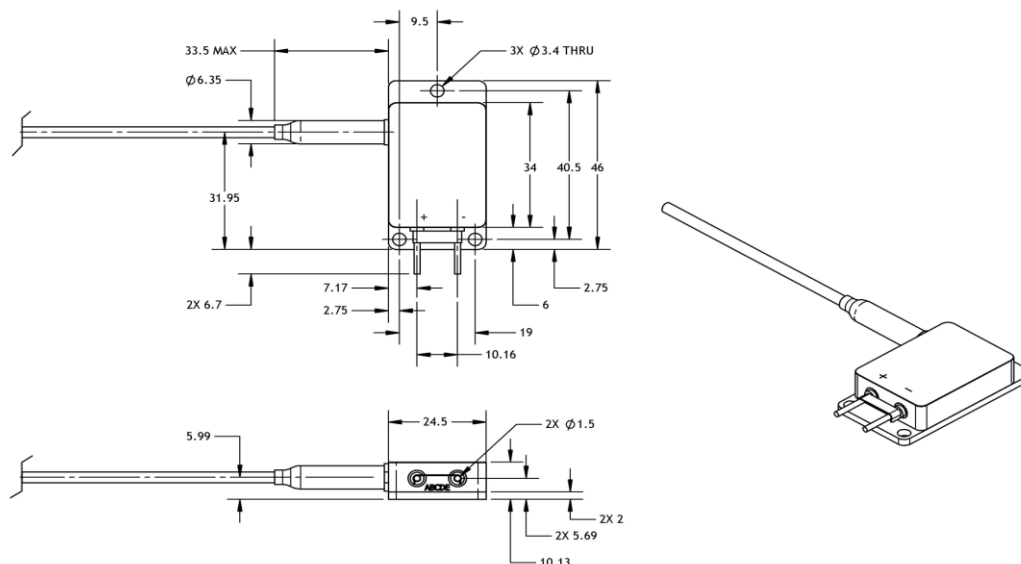


Item Number 1047046
Item Description e03-03-040-0915-5-105-0.22-SI-FPT-1.5-HT
Model e03.0400915105

EAR99⁵

| | Units | Lower Spec | Typical | Upper Spec |
|--|---------|------------|---------------------------------|------------|
| Optical | | | | |
| CW Output Power (with fresnel loss) ⁶ | W | 37 | 40 | |
| CW Output Power (without fresnel loss) | W | 38 | 41 | |
| Centroid Wavelength | nm | 910.0 | 915.0 | 920.0 |
| Spectral Width (FWHM) | nm | | | 7.0 |
| Power withing 0.18 NA | % | 90 | | |
| Fiber Core / Clad Diameter | μm | | 105 / 125 | |
| Fiber NA / Index Type | - | | 0.22 NA / Step Index | |
| Electrical | | | | |
| Electrical-to-Optical Efficiency | % | | 50 | |
| Threshold Current | A | | 0.7 | |
| Operating Current | A | | 15.0 | |
| Operating Voltage | V | | 5.4 | |
| Mechanical | | | | |
| Mass | g | | 60 | |
| Fiber Length | m | 1.0 | 1.5 | |
| Active Fiber Bend Radius | mm | 25 | | |
| Fiber Jacketing | - | | 900 um Hytrel Loose Tube Buffer | |
| Fiber Termination | - | | FPT | |
| Thermal | | | | |
| Thermal Resistance | °C / W | | 1.0 | |
| Waste Heat | W | | 41 | |
| Operating (Housing) Temperature ^{2,3} | °C | +20 | +25 | +35 |
| Wavelength Temperature Coefficient | nm / °C | | 0.32 | |
| Wavelength Current Coefficient | nm / A | | 0.85 | |
| Outline Drawing (Package Dimension 46 x 24.5 x 10.1 mm) | | | | |



Notes

- ¹ Production specification shown are for beginning of life performance, end of life operating current (Iop) is 120% beginning of life Iop
² A non-condensing environment is required for operation and storage. Storage conditions are from -20 to +70 °C with relative humidity between 5 to 85 %
³ Operating temperature defined by the package housing
⁴ Current phase within the nLIGHT's NPI (New Production Introduction) Process
⁵ Export Control Classification Number (ECCN) as defined by the Export Administration Regulations (EAR)
⁶ Reported power is with an uncoated distal fiber end, therefore will be ~ 3.5 % higher if spliced

IEC Regulation

This laser does NOT comply with IEC 60825-1 or 21 CFR 1040 for complete laser products and is solely intended to be integrated in a certified laser product.

LASER RADIATION
AVOID EYE OR SKIN EXPOSURE TO
DIRECT OR SCATTERED RADIATION
CLASS 4 LASER PRODUCT

Notice

nLIGHT continually improves its products to provide customers with outstanding quality and reliability, therefore may change certain specifications and product descriptions at any time, without notice. Additionally, nLIGHT offers a limited warranty to ensure customer satisfaction. For complete details, please contact an nLIGHT sales representative.



nLIGHT

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