

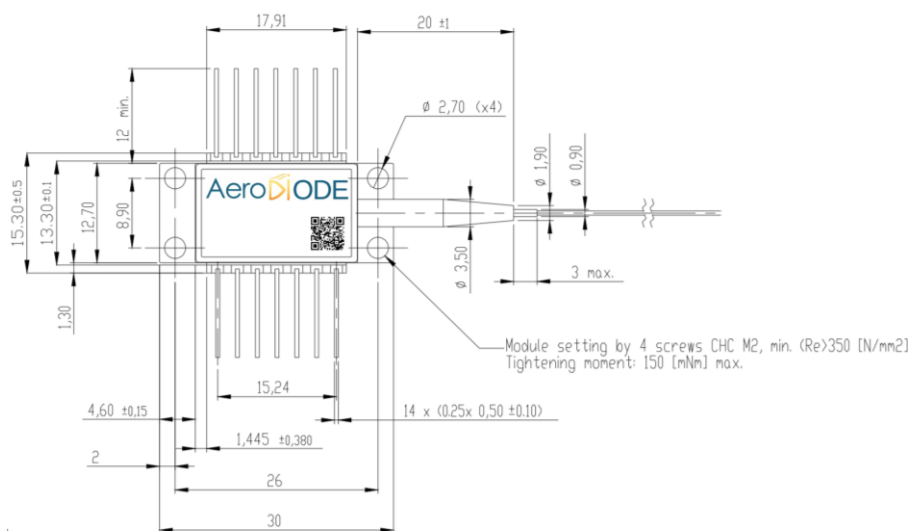
## 915 nm laser diode

Model 1:300 mW / singlemode fiber / Butterfly package

Reference: 915LD-1-0-0

| SPECIFICATIONS                                             | Unit                        | Min          | Typ                          | Maximum      |
|------------------------------------------------------------|-----------------------------|--------------|------------------------------|--------------|
| Optical parameters                                         |                             |              |                              |              |
| Output Power                                               | mW                          |              | 300                          |              |
| Center Wavelength<br>(optional "FBG" version)              | nm                          | 905<br>(914) | 910<br>(915)                 | 915<br>(916) |
| Spectral Width (FWHM) /<br>(optional "FBG" version)        | Nm                          |              | 2<br>(0.1)                   |              |
| Threshold Current                                          | mA                          |              | 75                           | 120          |
| Operating Current                                          | mA                          |              | 650                          | 700          |
| Operating Voltage                                          | V                           |              | 1.7                          | 1.8          |
| Wavelength shift w Temperature<br>(Optional "FBG" version) | nm/°C                       |              | 0.3<br>(5 10 <sup>-3</sup> ) |              |
| Wavelength shift w Current<br>(Optional "FBG" version)     | nm/A                        |              | 5<br>(~0)                    |              |
| Side mode suppression ratio<br>(Optional FBG version)      | dB                          |              | (20)                         |              |
| Internal photodiode responsivity                           | mA/W                        | 0.04         | 3                            | 10           |
| Internal photodiode dark current                           | nA                          |              | 5                            | 40           |
| TEC current (25°/case@70°)                                 | A                           |              | 1.1                          |              |
| TEC voltage (25°/case@70°)                                 | V                           |              | 1.9                          |              |
| Internal thermistor (25°)                                  | kOhm                        | 9.5          | 10                           | 10.5         |
| Fiber type                                                 | Hi1060 (PM980 if PM option) |              |                              |              |
| Fiber bend radius                                          | mm                          | 25           |                              |              |
| Fiber connector                                            | FC/APC                      |              |                              |              |
| Storage temperature                                        | °C                          | -40          |                              | 85           |
| Operating case temperature                                 | °C                          | -20          |                              | 70           |
| Operating chip temperature                                 | °C                          | 20           |                              | 40           |
| Laser diode reverse voltage                                | V                           |              |                              | 2            |

Form factor:



Laser diode pinning:

