

## 80W Laser Diode Specifications

- CW output power  $\geq 80$  W
- Center wavelength : 793 nm ( $\pm 3$  nm)
- Spectra width (FWHM)  $\leq 5$  nm
- Wavelength shift (with temperature)  $\leq 0.3$  nm/ $^{\circ}$ C
- Wavelength shift (with current)  $\leq 1$  nm/A
- Electrical-to-optical efficiency: at least 40%
- Operating current:  $\leq 5.5$  A
- Operating voltage:  $\leq 36$
- Output fiber core diameter: 200  $\mu$ m
- Output fiber cladding diameter: 220  $\mu$ m
- Output fiber NA: 0.22
- TotalOutput fiber length:  $\geq 2$  m
- Output fiber loose tubing diameter: 0.9 mm PVC
- Output fiber minimum bending radius: 88 mm
- Output fiber termination: None
- Feedback isolation: At least 30 dB (1900 – 2050 nm)

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