

# Single Mode Fiber-Coupled Laser

## Specifications

|   |                                |
|---|--------------------------------|
| <b>Model Number</b>                     | <b>SMF-B445-20-QN</b>          |
| <b><i>Optical Specifications</i></b>    |                                |
| Wavelength                              | 445 nm                         |
| Center Wavelength Deviation             | +/- 1 nm                       |
| Output Power                            | 5 ~ 20 mW                      |
| Fiber Core Diameter                     | 4-9 um                         |
| Longitudinal Mode                       | Single                         |
| NA                                      | 0.12                           |
| Power Stability (over 4 hours) (rms)    | < 5 % (optional: < 1 %, < 3 %) |
| Operating Mode                          | CW                             |
| Length of Fiber                         | 1m or 1.5m (take offers)       |
| Connector                               | SMA905 (FC/SC/ST)              |
| Spectral Linewidth                      | 0.1 nm                         |
| Warm-up time                            | < 6 minutes                    |
| Working Temperature                     | 0 to 40 ° C                    |
| Cooling Mode                            | TEC / FANS                     |
| Estimated Lifetime (MTTF)               | 10000 hours                    |
| Warranty Time                           | 1 year                         |
| <b><i>Mechanical Specifications</i></b> |                                |
| Dimension of Laser Head                 | /                              |
| Dimension of Power Supply               | /                              |
| Dimensional Tolerances                  | +/- 1 mm                       |