

# Single Mode Fiber-Coupled Laser

## Specifications

<b>Model Number</b>	<b>SMF-B445-15-DB</b>
<b>Optical Specifications</b>	
Wavelength	445nm (447nm, 450nm optional)
Center Wavelength Deviation	+/- 5 nm
Output Power	>1, 10 20, ...,80 mW
Fiber Core Diameter	4-9 um
Longitudinal Mode	Single
NA	0.12
Power Stability (over 4 hours) (rms)	< 3 % (optional: < 0.5 %, < 1 %, < 2 %)
Operating Mode	CW
Length of Fiber	1 m
Connector	SMA905 (FC/SC/ST)
Modulation	TTL or Analog Modulation
Warm-up time	< 5 minutes
Working Temperature	10 to 35° C
Cooling Mode	TEC / FANS
Estimated Lifetime (MTTF)	10000 hours
Warranty Time	1 year
<b>Mechanical Specifications</b>	
Dimension of Laser Head	143.5 x73 x 46.2mm
Dimension of Power Supply	188.6 x155 x 92mm
Dimensional Tolerances	+/- 1 mm