

# True fiber pigtailed option for Cobolt lasers

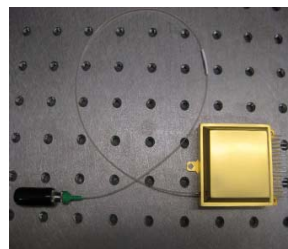
## True fiber pigtaling of high performance SLM DPSS lasers

The Cobolt 04-01 series of compact high performance SLM DPSS lasers can be supplied with an ultra-compact and robust fiber delivery option. The fiber is permanently aligned and fixed inside the hermetically sealed package using Cobolt proprietary HTCure™ Technology, providing stable output over a large temperature range and insensitive to transport conditions. The design is intended for OEM use and type of fiber, connector and lengths can be customized. The coupling efficiency (in to SM/PM fiber) is typically >80%, but output power is specified as out of the fiber.



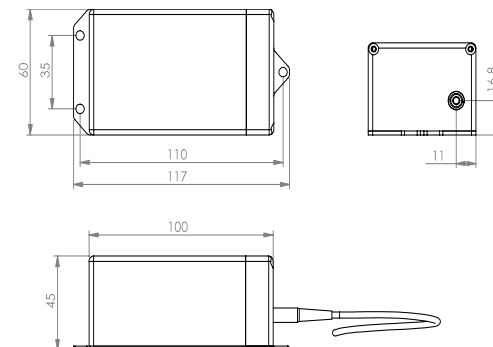
## Specifications

Fiber type*	1 m SM/PM fiber 3 mm jacketing
NA	0.12
Polarization maintenance	PER >100:1
Output connector	FC/APC non-collimated (Customizations available for OEM)
Power	Specified as out of the fiber, 25-100 mW depending on model (532 nm: 200 mW)
Wavelengths	457, 473, 491, 515, 532, 561, 594 nm
Power stability (8 hrs, ± 3°)	<3% fluctuations
Noise	As specified in free-space version
Total system power consumption	<35 W, typical <15 W
Operating temperature	10-40°C
Maximum laser head baseplate temp.	50°C
Laser head dimensions [mm]	117 x 60 x 45
Controller dimensions [mm]	190 x 72 x 28
Communication	RS-232
Model number structure	wavel-04-03-pwr-300 (CDRH: Keypress for on/off) wavel-04-03-pwr-400 (OEM: Auto-start mode)

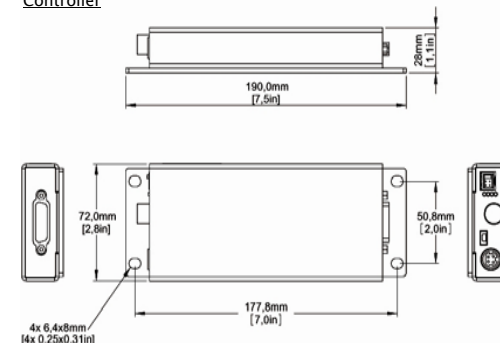


*Inner package, hermetically sealed, with fiber permanently fixed inside using Cobolt HTCure™ Technology*

### Laser head



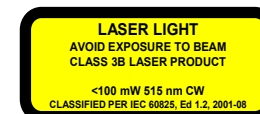
### Controller



\* warranty on fiber against faulty materials and workmanships only

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Class 3B (IEC 60825-1), IEC 60950-1, UL 60950-1