Cobolt Tango™

DATA SHEET

1535 nm pulsed eye-safe microchip laser, >4 µJ pulses, >1 kW peak power

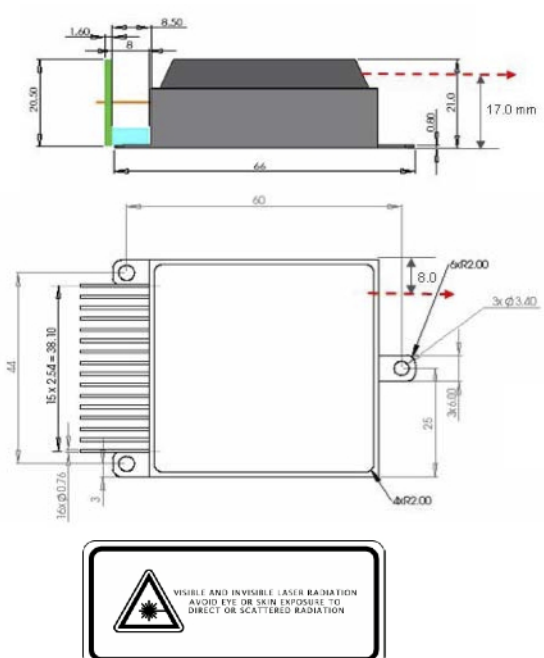
Cobolt Tango™ is a passively Q-switched diode-pumped solid-state laser emitting pulsed radiation at a fixed wavelength of 1535 nm. The laser operates in single longitudinal mode and emits a high quality laser beam with stable characteristics over a wide range of operating conditions. The laser is designed and manufactured to ensure a high level of reliability.
The emission of high peak power pulses, the eye-safe wavelength and the compact package make the Cobolt Tango™ laser ideal for use in various types of demanding range finding and remote sensing applications.

The laser is featured with an InGaAsP photo diode which converts each emitted optical pulse to an electrical signal, allowing the user to conveniently monitor the emitted pulses, eg. for triggering purposes.

Specifications

Wavelength	1535 nm
Pulse energy	>4 µJ
Peak power	>1 kW
Repetition rate	3±1 kHz
Pulse length (FWHM)	4 ±1 ns
Spatial mode	TEM00, M^2 <1.2
Beam divergence (full angle)	<7 mrad
Power consumption	10 W
Operating temperature	0-50 °C
Laser head connector interface	Molex 90130-1220
Laser head pulse monitor interface	MMCX
Laser head dimensions [mm]	68 x 50 x 21
Laser head dimensions [inches]	2.68 x 1.97 x 0.83

Laser Head Dimensions [mm]



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