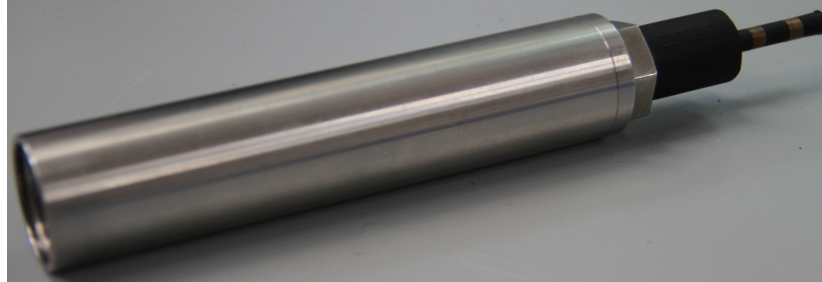




EXTREME ENVIRONMENT EQUIPMENT TECHNOLOGY

DATA SHEET
RAYLASER-10GRN
SUBSEA LASER GREEN 10mW



Laser Technical Specification

Wavelength (nm):	532
Output Power (mW):	<10mW
Spectral Line width (nm):	<0.1
Polarization:	Line Polarisation
Polarization Ratio:	>100:1
Beam Quality (M2 factor):	<1.2
Beam Divergence (full angle,mrad):	1.2 +/-
Beam Diameter at Aperture (mm):	1.2 +/-0.2
Beam Roundness;	>90%
Operation Temperature (°C):	20 -35°C
Average Iop (mA);	<300
Expected Lifetime (hours);	>8000

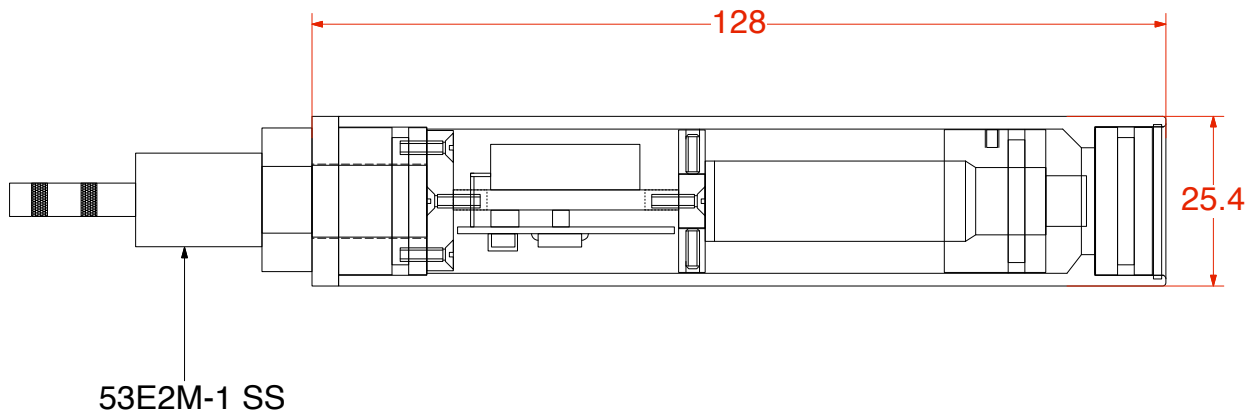
Mechanical

Material:	316L Stainless Steel
Dimensions:	Length: 128mm x Diameter: 25.4mm Ø
Weight In Air:	0.1Kg
Weight In Water:	0.06Kg
Depth Rating:	2000 MSW
Operating Temperature:	-10°C to 50°C
Pressure lens:	Polycarbonate

Electrical:

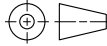
Underwater Connector:	Standard 53E2M-1 SS (Options available)
Power Requirements:	7 to 40Vdc 100mA

RAYLASER-10GRN



UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN MILLIMETERS
TOLERANCE ON ANGLE $\pm 5^\circ$
0 PL ± 5 1PL ± 05
INTERPRET DIM AND TOL PER
ASME Y14.5M-1994

FIRST ANGLE PROJECTION



DESIGNED BY
WDR
DRAWN BY
WDR
CHECKED BY
R. HOLBIL
APPROVED BY

OTHER APPROVALS
N/R
CAD FILE NAME
RAYLASER_1

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8b SPARKS RD, HENDERSON WA 61166
Phone: 089 437 3022 Facsimile: 089 437 3425 E-mail: raytech@raytechartech.com.au

TITLE
SUBSEA LASER 10mW GREEN
GA
RAYLASER-1/G SS

SIZE A3	CAGE CODE Cge Cd	DRAWING NO. 1	REV 1
SCALE 1:2	EST. WGT N/A	SHEET 1 OF 1	

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