

ZQ-G



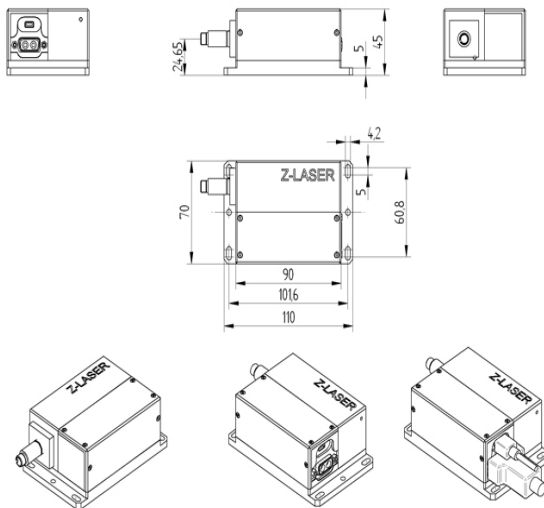
High performance, fibre coupled green laser



Features:

- Highly visible green light with up to 300mW output power
- Spectral line width of down to <math><0.1\text{nm}</math>
- Industrial grade laser for harsh environments
- Mountable on metric and imperial breadboards
- SMA Coupled version also available
- Integrated package with internal electronics and Thermoelectric Cooler
- USB port for power setting and monitoring of temperature, operation hours, life time
- Wide operating temperature

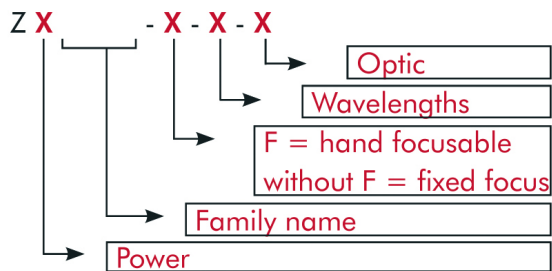
Techn. Drawing:



Specifications:

Wavelength	532nm
Output power	50 - 300mW (beam); 50 - 150mW (out of fibre)
Wavelength drift long term	± .20 total excursion from center wavelength over life of laser
Wavelength drift short term	± .06 nm total excursion from center wavelength over 10 minutes
Line width	0.10nm FWHM (0.5nm)
Injection efficiency	50% of total power into 50 micron 0.22 NA fibre
Injection efficiency	70% of total power into 100 micron 0.22 NA fibre
Beam Diameter	0.5 to 1.5mm
Operating temperature	0°C to +50°C (case)
Storage temperature	-20°C to +60°C
Humidity	0-90 RH (relative humidity)
Supply voltage	5VDC operation with reverse polarity protection
Short term power stability	5% - peak fluctuation over 10 minutes
Power consumption	<25Watts
Fibre connector	SMA
USB port	Monitor operation information
Dimensions	110mm x 70mm (base plate) x 45mm

Order code:



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