

## Third & Fourth Harmonic Generators

Del Mar Ventures supplies LG103: Third and Fourth Harmonic Generators for pulsed Nd:YAG lasers. "THG or FHG only" or "THG & FHG" versions are available upon request. Non-critical phase matching provides more than 40% conversion efficiency from green to UV. Non-linear crystals are placed into a temperature-controlled oven, what allows obtaining high UV-output stability and protect non-linear crystals from moisture. LG103 has built-in harmonic separators and lets you obtain pure UV-output without any additional accessories.



### Specifications:

Max. beam diameter: ~ 9 mm.

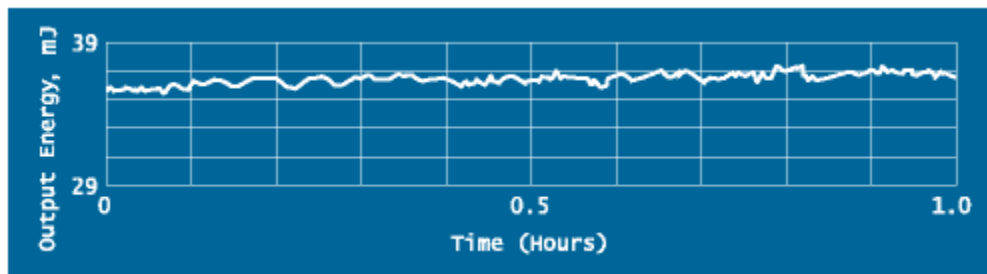
DKDP crystal's dimensions: 12x12

Typical power densities: 140MW/cm<sup>2</sup> at 1064nm and 80MW/cm<sup>2</sup> at 532nm

Polarization: at 532nm - horizontal, at 1064nm - vertical

Pulse duration: 4 - 15ns

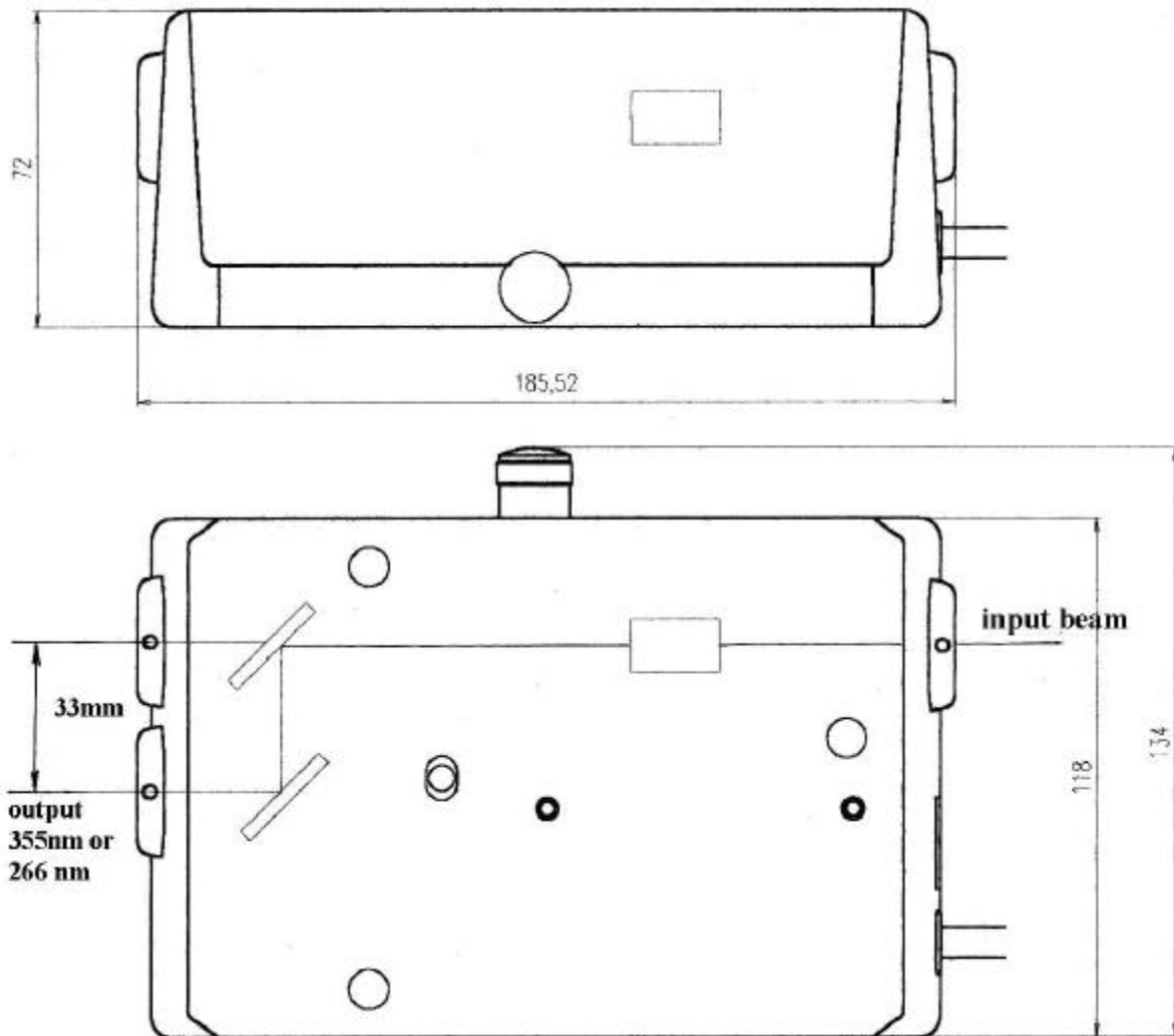
Options: THG only, FHG only, THG&FHG



### LG103 long term stability

## Del Mar Ventures

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LG103 dimensions

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## LG103 Price List, 2004

Model	Price, US\$
LG103-10 THG, 10Hz, max dia 9mm (DKDP)	3390
LG103-50 THG, 20-50Hz, max dia 6mm (BBO-LBO)	5800
LG103-10 FHG, 10Hz, max dia 9mm (DKDP)	4100
LG103-50 FHG, 20-50Hz, max dia 6mm (BBO-LBO)	5500
LG103-10 THG&FHG, 10Hz, max dia 9mm (DKDP)	4700
LG103-50 THG&FHG, 20-50Hz, max dia 6mm (BBO-LBO)	8590

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