

Wavelength Conversion Module For 556nm Light Generation



The NEL produces quasi-phase matched LN waveguide modules for 556nm second harmonic generation. The module consists of a PPLN waveguide, a thermoelectric cooler and a thermistor.

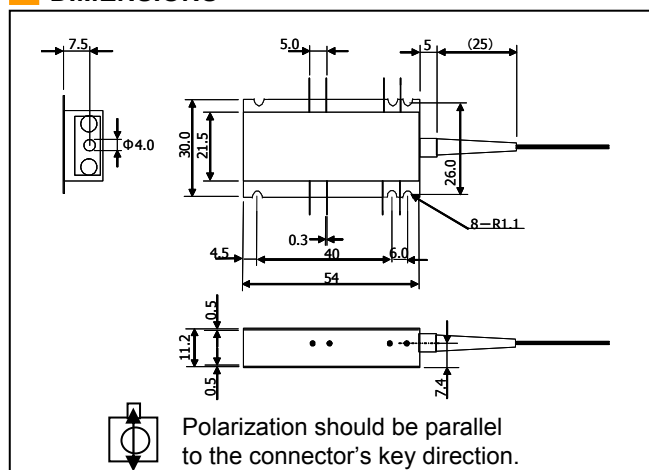
FEATURES

SHG wavelength 556 nm
Conversion efficiency >100 %/W

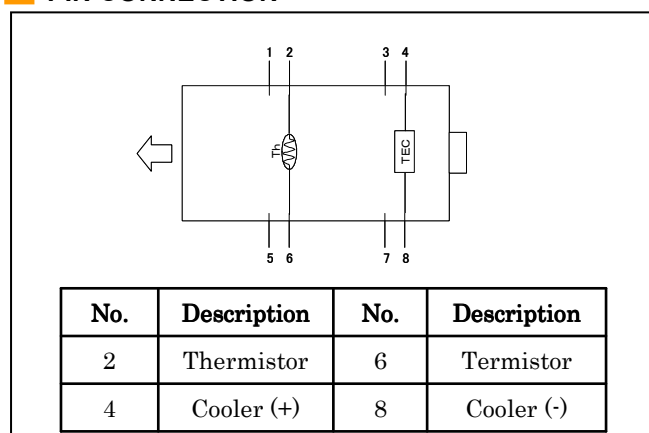
SPECIFICATIONS

Item	Specification
Model	WH-0556-000-A-B-C
Required pump wavelengths	1112 nm
SHG wavelength	556 nm
Efficiency	> 100%/W (Target)
Operation temperature (Top)	Typ.: >30 degree C Temperature fine tuning is required for satisfying the phase match condition
Module size	54mm x 30mm x 11.2mm No IR-cut filter is placed at the module output.
Input fiber	980 nm PANDA fiber with FC/APC connector

DIMENSIONS



PIN CONNECTION



Wavelength conversion modules with thermo-electric cooler. 556 nm laser light is obtained through the use of second harmonic generation with pump lasers at a wavelength of 1112 nm. A fine tuning of the chip temperature (Top) is required for satisfying the phase match condition. Input pigtail fiber is connected with a FC/APC connector. Output beam is collimated and no IR-cut filter is placed at the output port of the module.

This products are engineering sample. So, NEL has not finished reliability test. All statements, technical information and recommendations related to the products herein are based upon information believed to be reliable or accurate. However, the accuracy or completeness thereof is not guaranteed, and no responsibility is assumed for any inaccuracies. NEL reserves right to change at any time without notice the design, specifications, function, fit or form of its products described herein, including withdrawal at any time of a product offered for sale herein.

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