

Datasheet: Necsel™ Green SHG FC Laser

These specifications are for the Necsel green SHG fiber-coupled package. The centroid of the wavelength spectrum will be within the indicated wavelength range.



Model #	Symbol	Min. (nm)	Typical (nm)	Max. (nm)
Necsel-SHG-FC-55x	λ	550	-	556

Operating Wavelengths

Laser Parameter	Symbol	Min.	Typical	Max.	Unit
Operating Power (CW)	P_{op}	1.7	-	-	W
Module Operating Temperature [non-condensing atmosphere]	$T_{Thermistor}$	-	30	-	°C
Center Wavelength [at 25°C and P_{op}]	λ	550	-	556	nm
Spectral width @ FWHM	$\Delta\lambda$	-	0.2	-	nm
Laser Power Conversion Efficiency	PCE	-	3.8	-	%

Power Supply Requirements

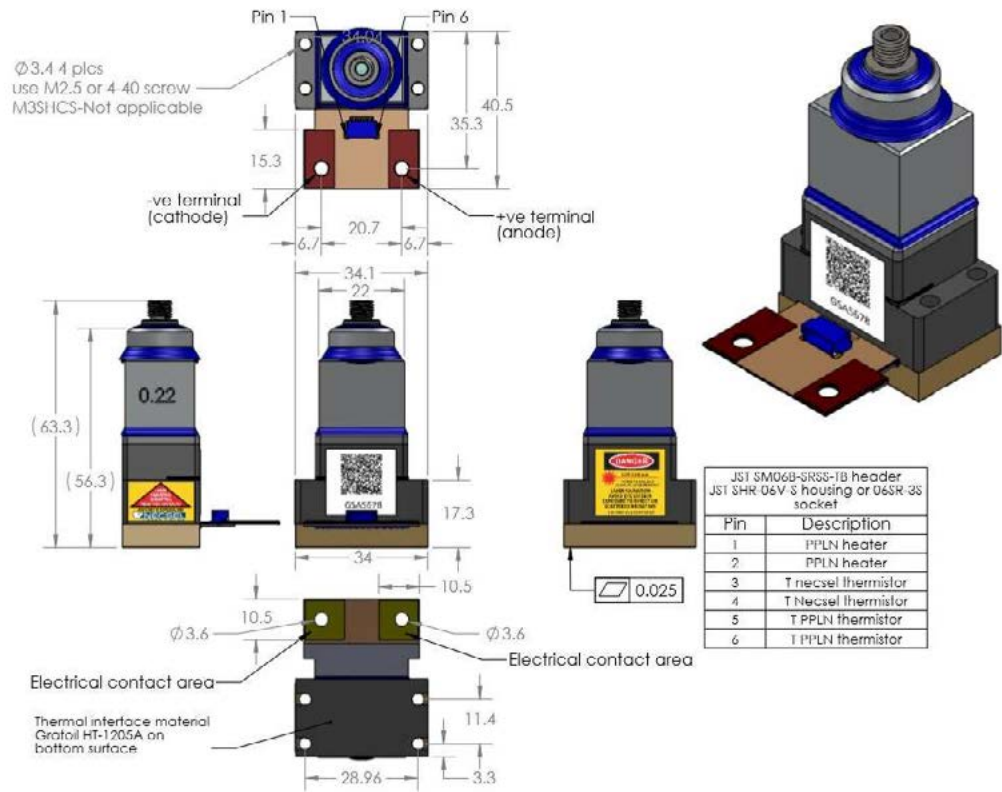
Operating Voltage	V_{op}	-	2.5	3.0	V
Operating Current	I_{op}	-	18	23	A

Fiber Specifications

Fiber Core Diameter (Centration $\leq 10 \mu\text{m}$)	0.400	mm
Connector Type (Nose length 0.3850 - 0.3863 in., 9.779 – 9.812 mm)	SMA-905	
Numerical Aperture	0.22	

USHIO

Outline Drawing and Electrical Connections



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