USHIO Applying Light to Life



<u>Necsel™ Blue DE Laser</u>

Blue 46x nm Direct Emitting Laser

These specifications are for the Necsel blue direct emitting package. The centroid of the wavelength spectrum will be within the indicated wavelength range.



Model #	Symbol	Min. (nm)	Typical (nm)	Max. (nm)
Blue-DE-46x	λ	460	464	468

Operating Wavelengths

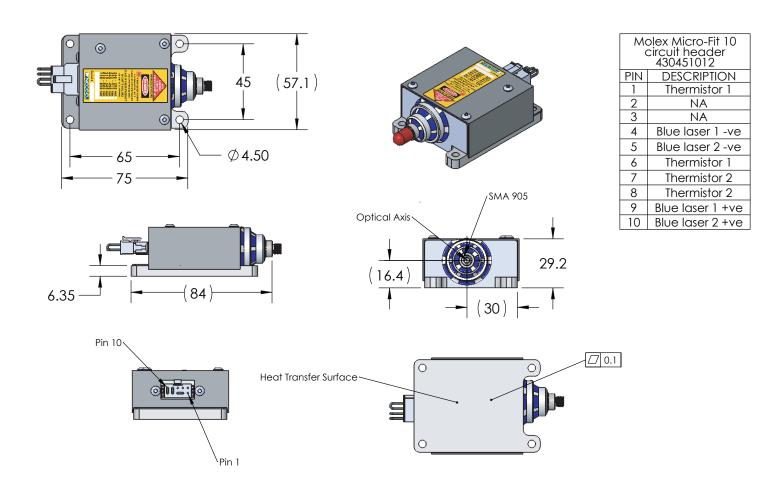
Laser Parameter	Symbol	Min.	Typical	Max.	Unit
Operating Power (CW)	Pop	—	4.6	—	W
Module Operating Temperature [Non-condensing Atmosphere]	TThermistor	—	30	—	°C
Center Wavelength [at 25°C and Pop]	λ	460	464	468	nm
Wavelength Temperature Coefficient	_	—	—	0.1	nm/°C
Threshold Current	Ith	—	450	—	mA
Slope Efficiency	η	_	2.8		W/A
Laser Power Conversion Efficiency	PCE	—	24	—	%

Power Supply Requirements	Symbol	Min.	Typical	Max.	Unit
Operating Voltage (2 in series)	Vop	6.0	8.8	9.6	V
Operating Current	Гор	—	2.1	2.3	A
Allowable Reverse Current	lr	_	_	85	mA

Fiber Specifications	Symbol	Min.	Typical	Max.	Unit
Fiber Core Diameter (Centration ≤ 10 um)	—	—	0.400	—	mm
Connector Type (Nose Length 0.3850 - 0.3863 in., 9.779 – 9.812 mm)			SMA-905		_
Numerical Aperture	—	—	0.22	—	—

Powered by:





Necsel follows a policy of continuous product improvement and may change product descriptions and specifications at any time without notice. Necsel offers a limited product warranty to ensure customer satisfaction. Standard terms and conditions can be found on the web at www.ushio.com/corporate/terms-conditions. This product is solely intended to be integrated into a laser product certified by the Customer. The Customer acknowledges that their product(s) that incorporate Necsel laser products must comply with the applicable regulations before it can be sold.





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