

Femtolite Ultra Family

Erbium-doped Femtosecond Fiber Lasers



Femtolite Ultra Laser Head

Product Features

- Compact and robust design for easy integration
- Proven reliability of Femtolite series since market introduction in 1995
- Meets stringent mechanical reliability requirements
- Complies with IEC 60068-2-27 and 60068-2-6 standards for shock and vibration
- Simple operation by controller panel or 5 V digital input

Product Models

	AX-20	BX-60	CX-20*		FX-10
Center Wavelength	780 ± 5 nm	1560 ± 5 nm	780 ± 5 nm	1560 ± 10 nm	810 ± 5 nm
Average Power	≥ 20 mW	≥ 60 mW	≥ 20 mW	≥ 20 mW	≥ 10 mW
Pulse Duration	≤ 100 fs	≤ 100 fs	≤ 100 fs	≤ 100 fs	≤ 110 fs
Repetition Rate	50 MHz				

*Simultaneous, synchronized pulses at both wavelengths

Femtolite **Ultra** Specifications

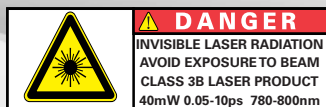
Polarization	Vertical with respect to baseplate
Power Stability	$\leq 1\%$ rms after stabilization over $\pm 1\text{ }^\circ\text{C}$
Laser Head Dimensions	142 x 96 x 38 mm ³
Output Aperture Height	23 mm
Laser Head Weight	0.8 kg
Controller Dimensions	215 x 200 x 89 mm ³
Controller Weight	2 kg
Operating Voltage	100-240 VAC at 50-60 Hz
Power Consumption	< 50 W

Other Parameters

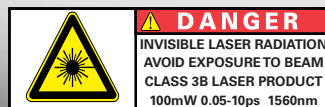
- Operating Temperature: 15-35 °C
- Storage Temperature: 0-50 °C
- Warm-up Time: ≤ 30 minutes
- Cable Length: 2 m



Femtolite Ultra Complete System



AX-20 Warning Label



BX-60 Warning Label



CX-20 Warning Label



FX-10 Warning Label

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