

Integra-C Specifications

Description	RGA Only	RGA & MPA	RGA Only
Model	Integra C-1.0	Integra C-3.5	Integra-C.X
Pulse Energy at 0.1-1 kHz (mJ) ¹	>1.0	>3.5	>0.1
Pulse Duration (FWHM)	130 fs with integrated fiber oscillator		
Pulse Repetition Rate (kHz)	up to 3 (user adjustable)	up to 3 (user adjustable)	10 kHz
Spatial Mode (TM ₀₀)	M ² <1.3	M ² <1.3	M ² <1.3
Contrast Ratio	>1000:1 Pre & Post Pulse	>500:1 Pre & Post Pulse	>1000:1 Pre & Post Pulse
Energy Stability ² (% RMS)	<0.5	<0.5	<1
Beam Pointing Stability (μrad)	<20	<20	<20
Transform Limit (Gaussian TBP)	<1.4 times	<1.4 times	<1.4 times
Center Wavelength (nm)	790±10	790±10	790±10
Beam Diameter (1/e ²)	6	8	6
Time Jitter (ns RMS)	<3	<3	<3
Polarization (vertical/horizontal)	V	V	V

Notes

Output specified over 10°C temperature range

1. Integra-C specified at 1 kHz; Integra-C.X specified at 10 kHz.

2. Over 4°C temperature range

As a part of our continuous improvement program, all specifications are subject to change without notice.