

SpectraChrome 1000

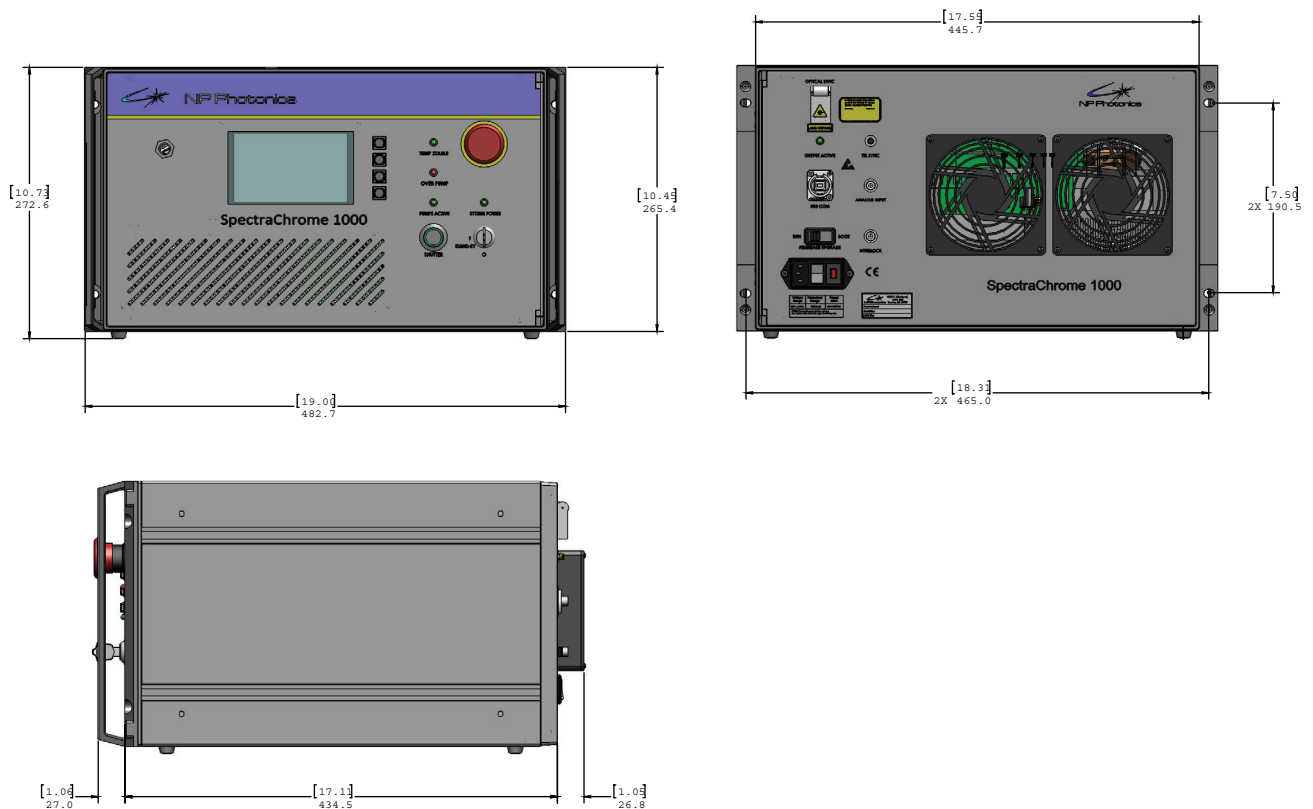
Mid-IR Supercontinuum Laser

Features

- Wavelength coverage 1000nm to 5000nm
- High average power >1W
- Picosecond pulses
- Variable Repetition Rate
- Single mode output
- Armored delivery fiber

Mechanical Outline:

SpectraChrome 1000



Performance | Reliability | Innovation

Parameter

SpectraChrome Specification

Operating Wavelengths (-30dB)	1000 – 5000nm
Average power (W) ¹	>1
Average power in 1000nm to 1900nm band	>500mW
Average power in 2000nm to 5000nm band	>500mW
Spatial Beam Quality	Single Mode (all wavelengths >2000nm)
Pulse Repetition Rate (MHz)	1.25 – 20
Pulse Duration (picoseconds)	20
Power Stability	+/-2%
Polarization	Random
Output Beam	Collimated ²
Length of Delivery Fiber (cm)	>50
Operation Voltage	100-240VAC 50/60Hz
System Cooling	Air Cooled
Operation Temperature (°C)	18-30

FOOTNOTES

1. Integrated over all emission wavelengths
2. Uncollimated output optional

Ordering Example: SC-1K-1-S-0, SpectraChrome laser 1W output with pulse-picker, collimated output and no filtering

Power (mW)	Code
1000	1K

Pulse Picker	Code
None	0
Pulse Picker	1

Collimator	Code
Standard	S
Uncollimated	U

SC Filtering	Code
None	0
Custom	1

NP Photonics products are protected by a 12 month warranty. All components and assemblies are unconditionally warranted to be free of defects in workmanship and materials for the warranty period, beginning from the date of shipment. This warranty is in lieu of all other warranties, expressed or implied, and does not cover incidental or consequential loss. This warranty does not apply to devices damaged due to operating conditions outside of the specified parameters. Modified warranties for OEM customers are available.



NP Photonics, Inc.
 9030 S. Rita Road, Suite 120 - Tucson, AZ 85747 - USA
 Phone: 520-799-7400 Fax: 520-799-7403
 E--mail: info@np Photonics.com www.npphotonics.com



©2003 HCS, LLC

Reorder No. 6151-RWHP-19