

C-WXF-14C0X - 1064nm

Spec #:
CWXF14C0X

High-Power Picosecond-Pulsed DPSSL



FEATURES

- _ Pulse energy up to 1 mJ
- _ Pulse Width down to 350ps
- _ Low Jitter Active Q-Switching : 1Hz to 200 kHz
- _ Advanced Solid State Design
- _ Air Cooled
- _ Rugged design

Technical Specifications

	Min	Typ	Max	Unit
Output Wavelength		1064,1		nm
Linewidth		<0,2	0,3	nm
Pulsewidth	350	400-900	1500	ps
Repetition Rate	Single Shot	40-100	200	kHz
Pulse Energy		0.5-0.2	1	mJ
Average Power		20		W
Pulse to Pulse Energy Stability		< 3% RMS	<5%	
Beam Quality (M ²)		< 1.5	<2	
Beam diameter		< 2	Optional Beam Expanders Available	mm
Beam ellipticity		>0.9 (Dm/DM)		
Beam divergence		<1	<1.5	mrad
Beam distribution		>90% gaussian		
Polarization		>100:1 linear		
Pulse frequency control		TTL (0 - 5V)		
Pulse detector fiber port		Available on request, FC, SMA...		



All information included in this document is subject to change without notice.

Update data sheets can be provided after formal request.

For complete details, please contact your local **Bright Solutions** sales representative or visit our website at www.brightsolutions.it

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	Min	Typ	Max	Unit
Electrical Requirements		DC Power Supply 24V – 28V, 300W (Options available)		
Signals interface		Bright Solutions interface through multi-pin connector		
Connectors		Industrial or MIL-grade		
Trigger-to-pulse delay		150		ns
Time Jitter		<200		ps
Cooling		Air cooled with speed controlled fans (Options: water cooled / conduction cooled)		
Mechanical Dimensions		30 x 15 x 12 (industrial package) 30x20x15 (IP68 package) Custom packaging available		cm ³
Weight		10		kg
Operating Temperature	0 (with heater option)	15 to 40		°C
Storage Temperature		-20 to 60		°C
Humidity		Non condensing		
Operating pressure		0.7-1		atm
Shock/Vibration		On request		
Warm up time		<10		min



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