

IPG Photonics Corporation

50 Old Webster Road
Oxford, MA 01540 USA
T +1 (508) 373-1100
sales.us@ipgphotonics.com
www.ipgphotonics.com



1.0 Optical Characteristics

Characteristic	Test Condition	Symbol	Min	Typ	Max	Unit
Mode of Operation			Pulsed			
Repetition Rate		RR	50		600	kHz
Nominal Average Output Power	RR=600 kHz	P _{OUT}		10		W
Pulse Duration (FWHM)	RR = 600 kHz	τ	0.8		1.3	ns
Central Emission Wavelength		λ		532		nm
Pulse Energy	RR = 600 kHz		14			μ J
Short-term Pulse Energy Instability, RMS*	RR = 600 kHz				1.5	%
Long-term Average Power Instability*	P _{OUT} = 10 W over 5 hrs			1		%
Beam quality, M ²					1.2	
Beam size				3.5		mm

* - measured at fixed operating temperature

2.0 General Characteristics

Characteristic	Test Condition	Min	Max	Unit
Operating Temperature Range		+0	+45	°C
Supply Voltage		100	240	VAC
Cooling		air		
Driver Dimentions		3U, 19" rack mount		
Output Head Dimensions		220 x 112 x 67		mm

