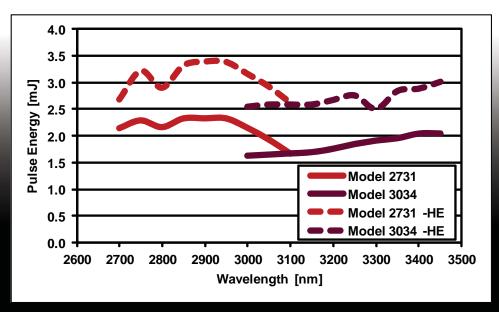
## IR Opolette<sup>TM</sup>

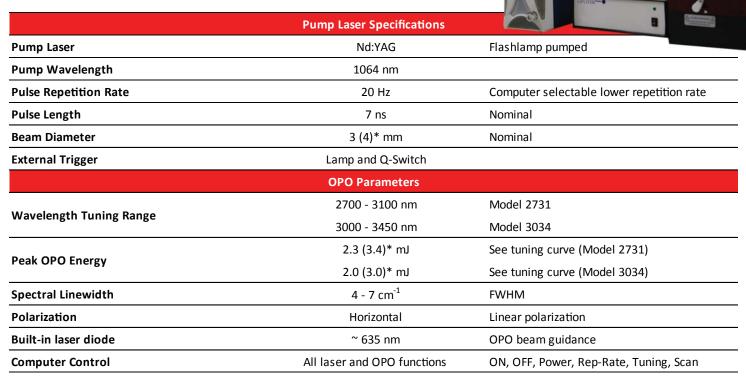
The IR  $Opolette^{TM}$  series of products are **ultra-compact**, **portable**, turn-key tunable laser systems that utilize OPOTEK's optical parametric oscillator (OPO) technology to generate **mid-IR wavelengths**. All system components (pump laser, OPO and optional accessories) are integrated into a **single unit** which results in a compact, **7x12"** footprint. A **built-in 635 nm laser diode** is aligned to overlap with the mid-IR output for beam stirring guidance. Wavelength tuning is **motorized** and **PC controlled** through a single USB port. The end-user can operate the system with little to no maintenance or laser expertise. A **software development kit** (SDK) is available for integrating system functions into end-user software. A number of options are available for added functionality such as the addition of harmonic modules for 532 and 355 nm laser light generation and variable power attenuation.

## **Tuning Curve**



Tuning curves represent nominal values. Performance may vary depending on installed options.

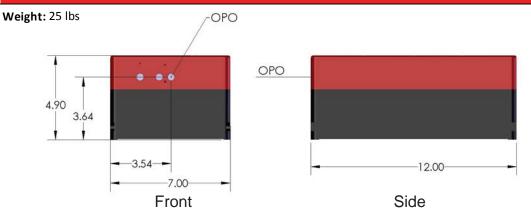
## $IR Opolette^{TM}$



\* Data in () refers to system with **-HE** option, which incorporates a high energy pump laser.

Options	Option Code	Description	
Access to Pump Laser Wavelength	-1X	Access to 1064 nm	
Harmonics for 355 and 532 nm	-2X/3X	Generate 532 nm and/or 355 nm	
High Energy Pump Laser	-HE	Greater OPO energy using higher energy pump laser	
Variable Attenuator	-VA	Manually attenuate OPO output from 15 - 100%	

## **Laser Head Dimensions**





Pump Laser Power Supply	Control Electronics Unit	
14" (H) x 5.25" (W) x 17" (L)	3.75" (H) x 10.25" (W) x 11.5" (L)	
32 lbs	5 lbs	
Single phase, 90 - 240 V	Single phase, 90 - 240V	
< 850 W	< 100 W	
Closed cycle water cooled		
	14" (H) x 5.25" (W) x 17" (L)  32 lbs  Single phase, 90 - 240 V  < 850 W	