

## Arktis Laser Product Datasheet

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### LPS-0457 AOM Q-Switched DPSS Laser System

Image  
Coming  
Soon!

#### Series Specifications:

Nominal Wavelength	457 nm
Output Type	Q-Switched
Laser Source Type	DPSS

#### Overview:

## Specifications:

This spec sheet has been generated specifically for part number P45-U, per your request, and data for the entire series is also displayed for your reference. The specs which are specific to P45-U have been highlighted below in **red + bold**.


Output Power (mW)	<b>&gt;800</b>
Optimal Pulse Frequency (Hz)	<b>10000</b>
Output Power Stability (%RMS/4h)	<b>&lt;3</b>
Central Wavelength (nm)	<b>457</b>
Wavelength Tolerance (+/- nm)	<b>1</b>
Warm-up Time (minutes)	<b>10</b>
Operating Temperature Range (°C)	<b>15 to 35</b>
Max. TTL Modulation Freq. (Hz)	<b>50000</b>
Modulation Input Signal	<b>0-5 VDC</b>
Weight of Product or Laser Head (kg)	<b>10.2</b>
Beam Height from Base Plate (mm)	<b>113</b>
Dimensions of Product or Laser Head (mm)	<b>420 (l) x 142 (w) x 144 (h)</b>

CW: All specifications are based on performance at full output power and after the specified warmup period. Output characteristics may change if the laser is run at a different power level.

Q-Switched: Specifications are based on the laser pulsing at the specified design frequency. Output characteristics may change if the laser is run at a different frequency.

**Power Supply Options:**

These lasers are available with several different power supply options. The model that you have selected is highlighted below, and any other options are shown for easy reference.

	Power Supply Type:	
	Input Power	v to v
	Power Supply Weight (kg)	
	Dimensions (mm)	(l) x (w) x (h)

\*Power supply may not be exactly as shown, see dimensional drawings on next 2 pages.

\*Dimensions for fiber-integrated (I\_) include laser head packaged inside.

**Regulatory Classification:**

The model you have selected (P45-U) requires the following safety label(s):



**Accessories:**

The most popular accessories for model P45-U are shown below. For additional details regarding these or other accessories please see our website or contact us directly.

Part Number	Description	
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**FOR MORE INFORMATION PLEASE CONTACT:**

Arktis Laser

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E&OE: Data included in this sheet may be subject to change without notice.

Please confirm critical specifications with our staff prior to ordering.