

### **Arktis Laser Product Datasheet**

## 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**.

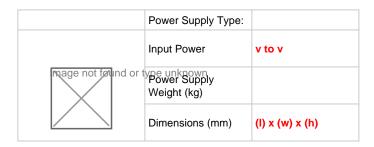
Output Power (mW)	>800
Optimal Pulse Frequency (Hz)	10000
Output Power Stability (%RMS/4h)	<3
Central Wavelength (nm)	457
Wavelength Tolerance (+/- nm)	1
Warm-up Time (minutes)	10
Operating Temperature Range (°C)	15 to 35
Max. TTL Modulation Freq. (Hz)	50000
Modulation Input Signal	0-5 VDC
Weight of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

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.



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

#### **Regulatory Classification:**

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



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

#### **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	D		
Part Number	Description		

#### FOR MORE INFORMATION PLEASE CONTACT:

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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.