

LPH-SMA-R-60-120

Laser Process Head for advanced Material Processing



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| Laser Material Processing |

Your product benefits:

- Optimized beam shaping for your application

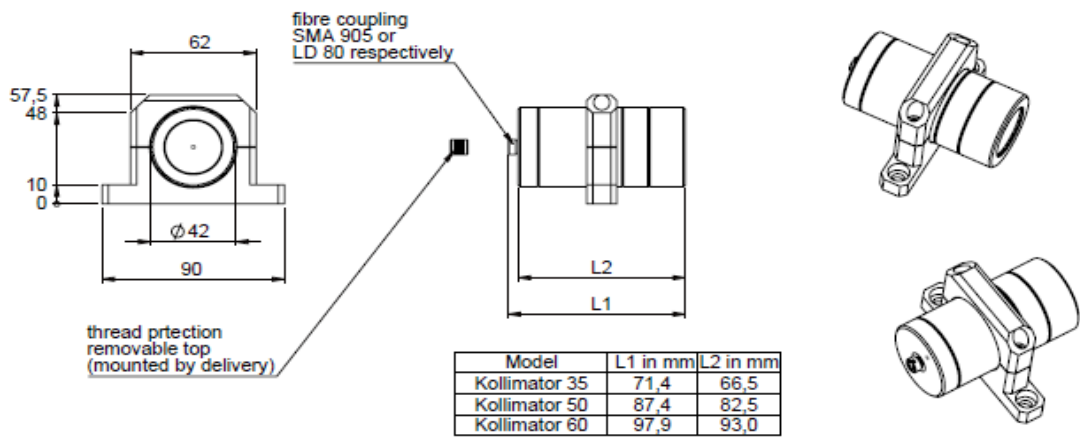
Laser Process Head	Unit	Value		Unit	Value
Optical Data			Mechanical Data		
Max. laser power (cw)	W	120	Housing material		anodized aluminum
Wavelength range	nm	790 - 990	Dimensions (length x width x depth)	mm	90x57.5x97.9
Max. numerical aperture of fibre		0,23	Mounting threads		4 x M5
Max. fiber core diameter	µm	600	Fiber connector types		SM905
Transmission rate		≥ 90% (typ. 95 %)	Thermal Operation and Storage Conditions		
Collimation focal length	mm	60	Operation ambient temperture range	°C	5...40
Focussing focal length	mm	120	Max. operation relative humidity		non condensing
Working distance	mm	100 (± 5)	Storage temperature range	°C	20...50
Spot size FWHM with 200 µm fibre	µm	420	Storage max. relative humidity		non condensing
Spot size (90% PE*) with 200 µm fibre	µm	600	Max. housing temperature in operation	°C	60
Spot size FWHM with 400 µm fibre	µm	840			
Spot size (90% PE*) with 400 µm fibre	µm	1000			

* PE means power enclosed

Additional Features	Unit	Value		Unit	Value
Pyrometer Control Data			Power Monitoring Data		
Detection wavelength	nm	not available	Wavelength range	nm	not available
Temperature measurement range	°C	not available	Sampling rate (standard)	kHz	not available
Sampling rate (standard)	kHz	not available	Operation temperature range	°C	not available
Calibration standard type		not available	Measurement accuracy	%	not available
Interfaces Data			Related Product		
Interface type		not available	Process software		not available
Data cable type		not available			
Socket type		not available			
Communication protocol of laser driver		not available			

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