

# LPH-SMA-R-50-5000

Laser Process Head for advanced Material Processing

# LIMO

Lissotschenko Mikrooptik



| Laser Material Processing |

Your product benefits:

- Optimized beam shaping for your application

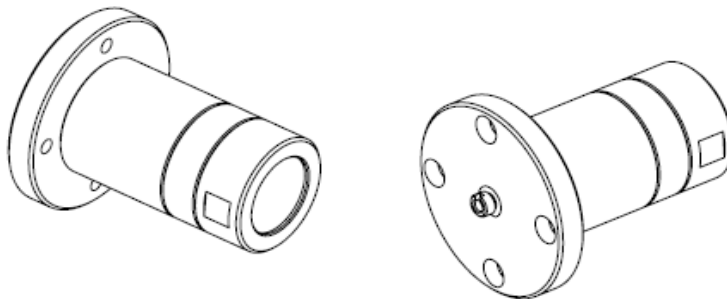
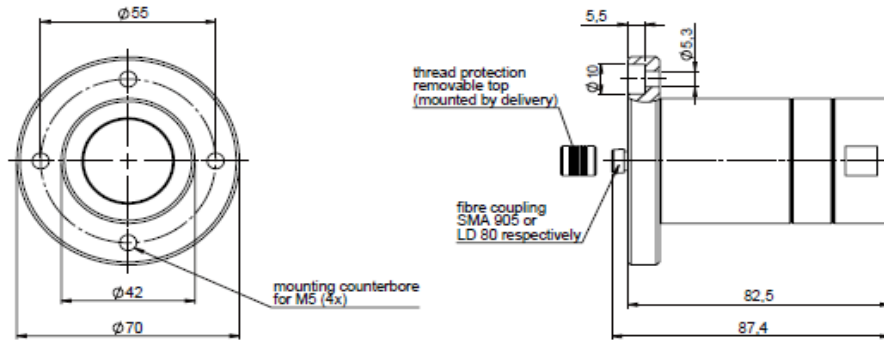
Laser Process Head	Unit	Value	Unit	Value
<b>Optical Data</b>		<b>Mechanical Data</b>		
Max. laser power (cw)	W	120	Housing material	anodized aluminum
Wavelength range	nm	790 - 990	Dimensions (length x width x depth)	mm 70 x 70 x 88
Max. numerical aperture of fibre		0,23	Mounting threads	4 x M5
Max. fiber core diameter	µm	600	Fiber connector types	SM905
Transmission rate		≥ 90% (typ. 95 %)	<b>Thermal Operation and Storage Conditions</b>	
Collimation focal length	mm	50	Operation ambient temperature range	°C 5...40
Focussing focal length	mm	5000	Max. operation relative humidity	non condensing
Working distance	mm	5000	Storage temperature range	°C 20...50
Max. divergence with 200 µm fibre (FWHM)	mrad	4	Storage max. relative humidity	non condensing
Max. divergence with 400 µm fibre (FWHM)	mrad	8	Max. housing temperature in operation	°C 60

Additional Features	Unit	Value	Unit	Value
<b>Pyrometer Control Data</b>		<b>Power Monitoring Data</b>		
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

<b>Interfaces Data</b>		<b>Related Product</b>	
Interface type		Process software	not available
Data cable type			
Socket type			
Communication protocol of laser driver			

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