



Single Emitters

S-Series

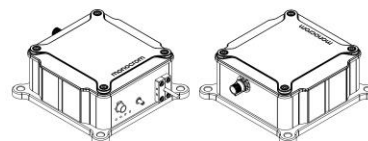
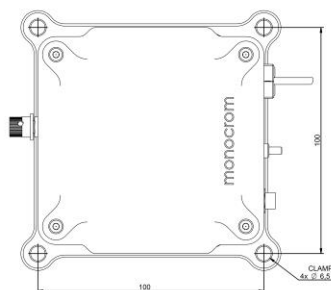
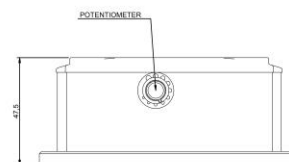
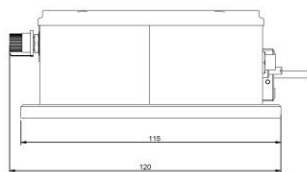
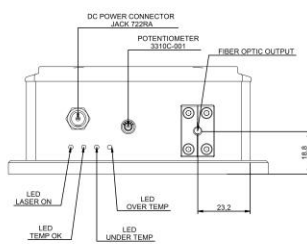
Features:

- Thermal stabilized
- Narrow line width
- High resolution temperature
- Polarization maintaining
- Fiber output
- TEC cooled
-

Suitable for:

- HeNe replacement
- Metrology
- Bio-medics
- Raman spectroscopy
- DHM Metrology

Outline S-Series



S-SERIES


Product specification are subject to change without notice.
For complete details, please contact your local MONOCROM sales representative.

UNE EN ISO 9001:2015

MONOCROM S.L.

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S-SERIES I TECH Specifications

	Minimum	Operation	Max. rating
Laser			
Wavelength [nm]	637	638	639
Wavelength stabilization [nm]	15		
Line width [pm]	0.4		
P _{op} [W] typ.		Up to 0,5	
Polarisation ratio	50:1		60:1
I _{op} (TEC off) [mA] at 500 mW	500	660	800
I _{op} (TEC on) [A]		2.5	4.0
Electrical			
Feeding voltage			5V _{dc}
Warm up time [min]			10
Operating temperature [°C]	-40		80
Thermal stabilisation		TEC	
Power control		Optional	
Feeding connector		Jack type (-)  (+)	
Laser product class		3R according with EN-60825.	
Fiber			
Minimum wavelength for single mode transmission		630-780	
Polarization maintaining		Yes	
Mode field diameter [µm]		4,5	
Numerical aperture		0,12	
Min. bend diameter [mm]		25	
Connector type		FC	
Ext. diameter [mm]		3	
gth, typical		2m	



Focusable collimator head FC port (optional)

Head	CA Do[x]	N.A.max	Eff Type
TxA10	Up to 6.5 mm	0.33	60 %
TLxx	Full angle aperture	5,10,20,50 & 99°	50 %

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