360W CW High Power Stacks Part Number: MCS051

6-BARS

- · High Power Stack
- Available With Up To 64 Bars Per Stack
- · Available Wavelengths (790-1550nm)



OPTICAL CHARACTERISTICS

PARAMETER	CONDITIONS	MIN	TYP	MAX	UNITS
CW Power Output	25°C Heat Sink	360			W
Operating Current	360W at 25°C Heat Sink		68	75	Α
Threshold Current	25°C Heat Sink		13	15	Α
Center Wavelength	360W at 25°C Heat Sink		808		nm
Wavelength Tolerance	360W at 25°C Heat Sink		± 3		nm
Spectral Width FWHM	360W at 25°C Heat Sink		2.5	4.0	nm
Wavelength Shift		0.23	0.25	0.27	nm/°C
Beam Divergence FWHM (unlensed)			40x10	42x12	°x°
Beam Divergence FWHM (lensed)			0.25x10	0.5x10	°x°

ELECTRICAL CHARACTERISTICS

PARAMETER	CONDITIONS	MIN	TYP	MAX	UNITS
Series Resistance	25°C Heat Sink	12	30	42	m ohms
Operating Voltage	25°C Heat Sink		11.7	12.6	V

COOLING REQUIREMENTS

PARAMETER	CONDITIONS	UNITS
Туре	Deionized water with deionizer cartridge	
Resistivity	0.5 ± 0.2	M ohms
Flow Rate	0.6 ± 0.12	gpm
Pressure	minimum 40, maximum 80	psi
Particle Filter	≤ 5	μ
PH Level	7.5 ± 0.5	

ABSOLUTE MAXIMUM RATINGS

PARAMETER	CONDITIONS
Reverse Current	0 A
Reverse Voltage	0 V
Operating Temperature Range (2)	15°C or to 35°C
Storage Temperature Range	-20°C to 80°C



NOTES

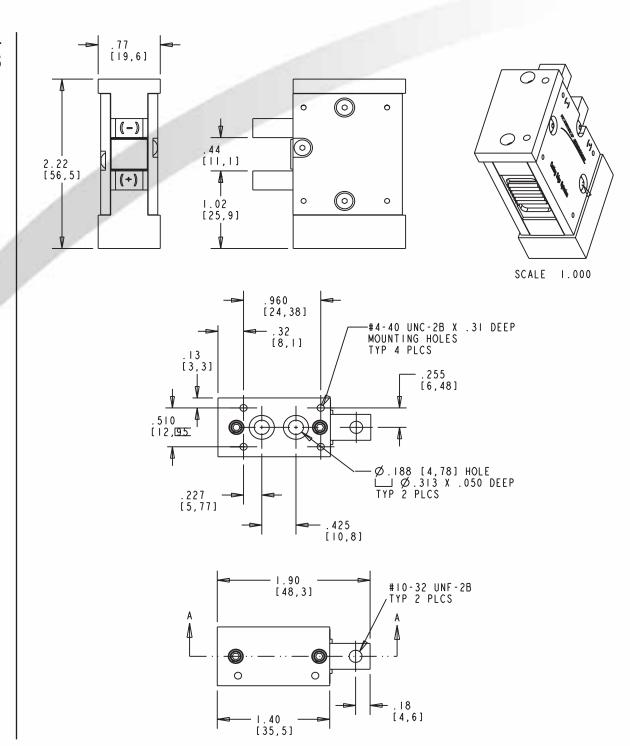
- (1) These specifications apply for operation at 808nm. Other wavelengths available upon request.
- (2) A dry nitrogen environment should be provided by the user when storing and operating at temperatures below ambient dew point.



_{光技術をサポートする} 株式会社オプトサイエンス 東京本社 〒160-0014 東京都新宿区内藤町1番地 内藤町ビルディング TEL:03 (3356) 1064 FAX:03 (3356) 3466 E-mail: info@optoscience.com 大阪支店 〒532-0011 大阪市淀川区西中島7-7-2 新大阪ビル西館 TFI:06 (6305) 2064 FAX:06 (6305) 1030 E-mail: osk@optoscience.com

http://www.optoscience.com

MECHANICAL CHARACTERISTICS



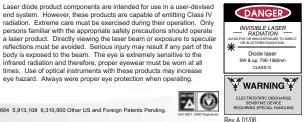
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Information contained herein is believed to be reliable and accurate.

This Product is covered by one or more of the following Patents: 5,898,211 5,985,684 5,913,108 6,310,900 Other US and Foreign Patents Pending,







end system. However, these products are capable of emitting Class IV

eye hazard. Always were proper eye protection when operating.