氬離子雷射
Argon-Ion Laser Heads

JDSU

2218系列 氬離子雷射頭

Air - Cooled Argon - Ion Laser Heads - 2218 Series

Key Features

- Integral-mirror, metal-ceramic construction
- Hands-off operation
- Ultra-low noise
- Fast warm-up
- Rugged construction
- Vibration isolation
- Ultra-stable resonator and beam pointing

Applications

- DNA sequencing
- Flow cytometry
- Confocal microscopy
- Semiconductor inspection
- Hematology
- High-speed printing
- Photo processing

Specifications

Parameter		2218-0xxMLS	2218-0xxSLS
Optical			
Output power (TEM_{00})		25 mW	10/20/30 mW
Wavelength		458 to 515 nm	488 nm
Mode purity (TEM_{00})		>95%	>95%
Beam diameter ($1/e^2$ ±5%)		0.70	0.69
Beam divergence (mrad ±5%)		0.90	0.95
Minimum polarization ratio		250:1	
Longitudinal mode spacing (TEM_{00} only)		566	
Noise	rms,20 Hz to 2 kHz	≤0.1%	
	p-p,20 Hz to 20 kHz	≤2.5%	
	rms,20 Hz 2 MHz	≤1.0%	
Maximum drift (light control mode over 2 hours)		≤1.0%	
Maximum warm-up time		5 minutes	
Beam pointing stability after warm-up (2 hours, 25 ±3°C)		<30 μRad	
CDRH class		IIIb	
Static alignment	Beam position	±0.25 mm	
	Beam angle	±2.5 mrad	

* Nominal airflow is 52 CFM.Use Dayton model 4C442 or equivalent fan rated for 140 CFM free air and typical pressure head of 0.95 inches ofwater.

Product Code	Description
2218-010SLS	Argon laser head cyclindrical package, 10 mW output power, single line operation at 488 nm, single mode
2218-020SLS	Argon laser head cyclindrical package, 20 mW output power, single line operation at 488 nm, single mode
2218-030SLS	Argon laser head cyclindrical package, 30 mW output power, single line operation at 488 nm, single mode
2218-025MLS	Argon laser head cyclindrical package, 25 mW output power,multi line operation at 458 to 515 nm, single mode

方全有限公司
Rapitech Enterprise Co.,Ltd.
244 新北市林口區仁愛路二段309號10樓
Tel : 886-2-2608-8096(台北) / Tel : 86-21-6248-3333(上海) / Fax : 886-2-2608-8092
E-mail : sales@rapi-tech.com.tw www.rapi-tech.com