

BrightLase[®] Mega-300

Features

- 793, 915, 940, 976nm
- Custom wavelength available
- Detachable 200 μ m fiber
- Armor or bare fiber delivery
- Dichroic filter protection available
- Cladding-free power
- Conduction cooled single emitters inside
- Industrial cooling water
- Aiming Beam, MPD optional



Applications

- Laser pumping: Fiber lasers, Solid state lasers
- Materials processing: Soldering, Welding

Benefits

- Compact
- High efficiency
- Insensitivity to back-reflection for materials processing

Specification	Units	8807-0001	8809-0001	8809-0002	8809-0003
Output Power (Pop)	W	120	300	300	300
Operating Current (Iop) (Max)	A	<10	<25	<25	<25
Operating Voltage (Vop) (Max)	V	<40	<36	<36	<36
E-O efficiency (Typical)	%	>37%	>45%	>45%	>45%
Center wavelength	nm	793	976	940	915
Center Wavelength Tolerance	nm	± 3	± 10 (± 3 option)	± 10 (± 3 option)	± 10 (± 3 option)
Spectral Width (Max)	nm	<4	<10 (<5 option)	<10 (<5 option)	<10 (<5 option)
Wavelength Coefficient of Temp	nm/ $^{\circ}$ C	0.3	0.3	0.3	0.3
Fiber Core Diameter	μ m	200	200	200	200
Fiber Core Numerical Aperture	No Units	0.22	0.22	0.22	0.22
Fiber Length	m	2	2	2	2
Fiber Output Connector	No Units	SMA	SMA	SMA	SMA
Operating Temperature (Top)	$^{\circ}$ C	25	25	25	25
Thermistor Impedance	kOhms	10	10	10	10

Warning: Class 4 Laser, Invisible Laser Radiation – Avoid Eye or Skin Exposure to Direct or Scattered Radiation.

For reference only. Product specifications may change without notice.

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