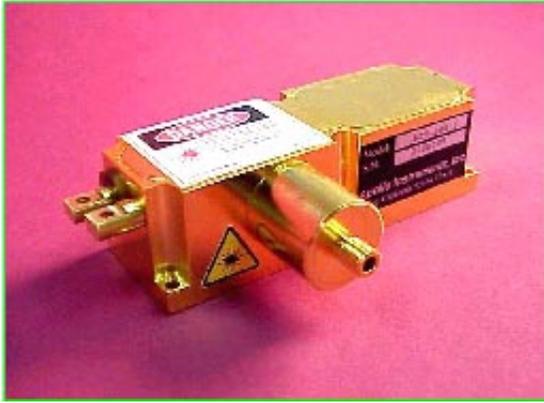


BWA Fiber Coupling High Power Laser Diode Array



The B&W TEK's Fiber coupled BWA series laser diode arrays represent a category of components with the best performance to cost ratio. BWA products may be used in thermal printing, military, aerospace and other applications that require high brightness and long lifetime.

Rugged packaging, ultra-stable fiber attachment and a uniquely efficient fiber coupling design provide an intense low divergence, circularly symmetric beam from the output end of the fiber pigtail. The package has convenient mounting plates and customer selectable fiber

terminations.

Highlights

- *Ultrahigh brightness*
- *Over 1.2 MW cm⁻²sr¹*
- **14 Watt @ 0.22 NA @ 100 μm**
- **30 Watt @ 0.4 NA @ 400 μm**
- *810, 940 or 980nm*
- *Other custom wavelengths*
- *High Reliability*
- *High Efficiency*

Applications

- *Direct Thermal*
- *Optical Pumping*
- *Pyrotechnic Ignition*
- *Medical Instrumentation*
- *Research & Development*

Specifications

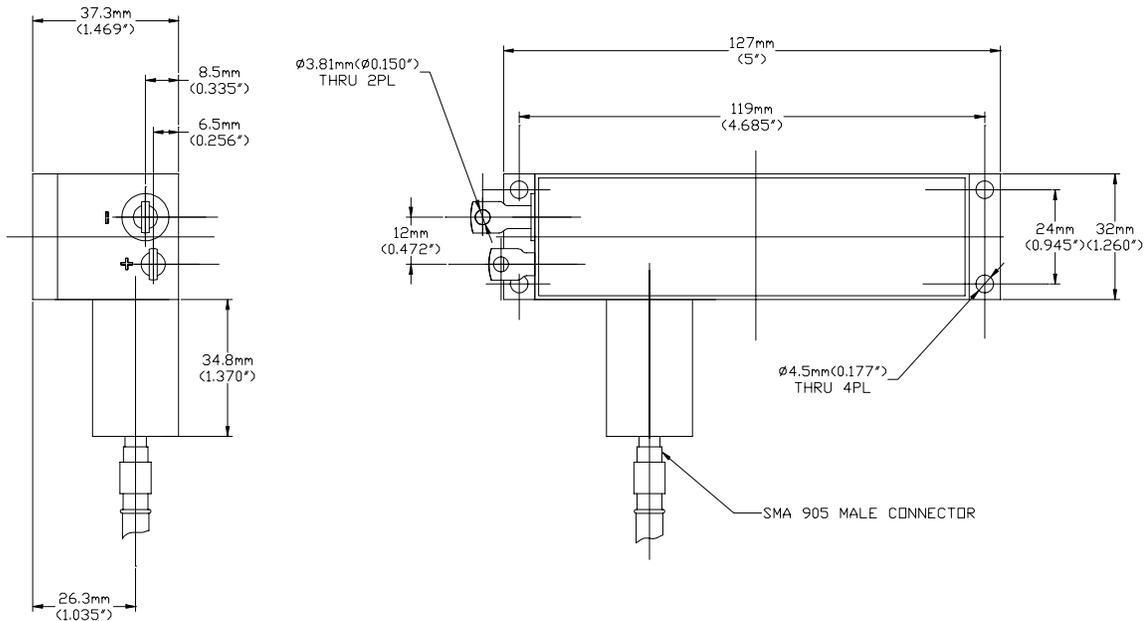
Optical

	-I-14	-I-15	-I-25	-I-22	-I-18	-I-30
Output Power(W)	14	15	25	22	18	30
Peak Wavelengths	810nm, 940nm, 980nm					
Band Width	<6 nm FWHM typical					
Fiber Diameter (μm)	100	600	600	400	200	400
Fiber NA	0.22	0.22	0.22	0.22	0.22	0.4
Fiber Termination	SMA 905					

Mechanical

Case Operation Temp.	- 20- 30°C
Storage Temp.	-45 - 60°C

Dimensions



* All dimensions in mm

Ordering Information

