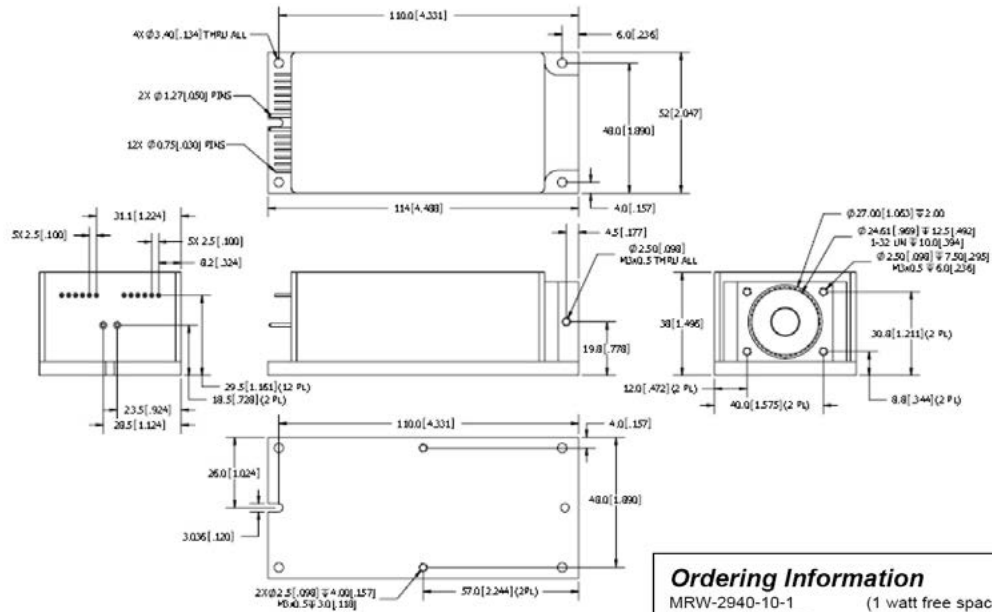
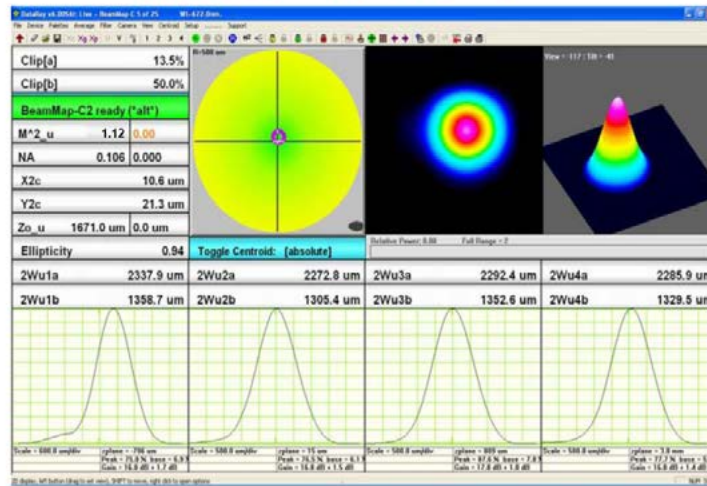


MIR-Pac 2.94 μ m 1 Watt DPSS Laser Module



System Specifications		Units
WAVELENGTH	2.94	μ m
CW OUTPUT POWER	1000	mW
SPATIAL MODE	TEM ₀₀	
WAVELENGTH STABILITY	<1	cm ⁻¹
FWHM (50%)	<2.0	nm
BEAM DIVERGENCE	<20	mrad
POINTING STABILITY	< \pm 5	% of Beam Divergence
NOISE (10Hz to 100kHz)	<1.0	%(rms)
LONG-TERM POWER STABILITY	< \pm 2.0	% over 8 hours
WARM UP TIME	<5	minutes
BANDWIDTH	<0.5	cm ⁻¹
POLARIZATION RATIO	Random	
STATIC ALIGNMENT TOLERANCE		
BEAM POSITION	\pm 0.5	mm
BEAM ANGLE	\pm 5	mrad
Utility and Environmental Requirements		
AMBIENT OPERATING TEMP.RANGE	15-40	°C
POWER DISSIPATION FROM THE LASER HEAD	<100	W
LASER HEAD AND HEATSINK TEMP. FOR CONDUCTIVE COOLING	0-45	°C
NON-OPERATING STORAGE TEMP.	-10-65	°C
Dimensions		
LASER HEAD (L X W X H)	114 x 52 x 38 (4.5 x 2.05 x 1.5)	mm (inches)
WEIGHT OF LASER HEAD	0.82 (1.8)	kg (lb)



Ordering Information
 MRW-2940-10-1 (1 watt free space)
 MRW-2940-10-075 (750mW free space)
 DRV-001 (DPSS Driver)

System Integration & Thermal Management

The Sheamann MIR-Pac 2.94µm laser is a modular component sold for use in OEM equipment. The OEM is responsible for compliance with all applicable regulations.

Thermal management of the MIR-Pac 2.94µm must be included in the OEM design. There is no warranty on failures caused by inadequate thermal management. To assure proper cooling, the base plate of the MIR-Pac 2.94µm laser head must be attached to a heat sink.

For assistance in thermal management and other system integration issues, please contact our sales department at 1-508-970-0600.

Sheamann follows a policy of continuous product improvement. Specifications are subject to change without notice.



DANGER
 INVISIBLE LASER RADIATION
 AVOID EYE OR SKIN EXPOSURE
 TO DIRECT OR SCATTERED RADIATION
DIODE LASER
 2.0W MAX OUTPUT at 2.8-3.0 µm
 CLASS IV LASER PRODUCT