Opto Engine LLC

Data sheet

Rev. 1012

OEM-W-671/3000~5000mW

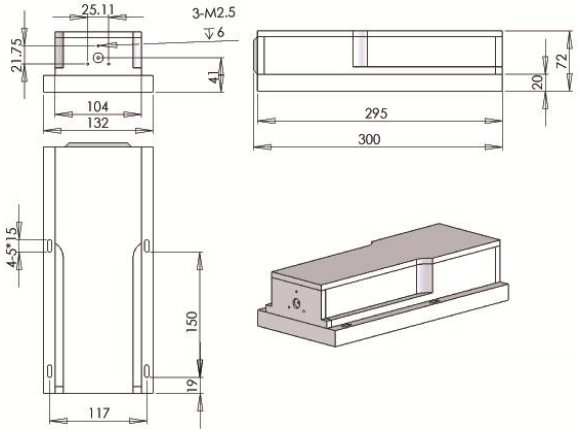
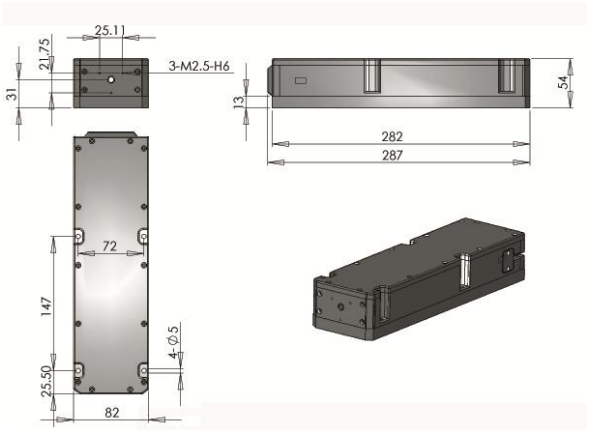
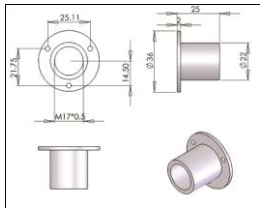
LD PUMPED ALL-SOLID-STATE RED LASER

All solid state 671 nm red laser is made features of ultra compact, long lifetime, low cost and easy operating, which is widely used in collimation, laser medical treatment, scientific experiment, optical instrument, laser display, laser lighting show, etc.

SPECIFICATIONS

Wavelength (nm)	671±1
Output power (mW)	>3000, 3500,…, 5000
Transverse mode	Near TEM_{00}
Operating mode	CW
Power stability (rms, over 4 hours)	<1%, <3%, <5%, <10%
Warm-up time (minutes)	<10
M^2 factor	3.0-6.0
Beam divergence, full angle (mrad)	<27
Beam diameter at the aperture (mm)	~2. 0
Beam height from base plate (mm)	41 with TEC, 31 without TEC
Polarization ratio	>100:1
Pointing stability after warm-up (mrad)	<0.05
Operating temperature (℃)	22.5+/-2.5
Pins information	A3. positive of diode; A1. negative of diode
Expected lifetime (hours)	10000
Warranty time	The warranty is 3 months, excluding the LD failure.

Note: The power supply needs to be with the over current protection function.

OEM-W-671	Dimension (With TEC)	Dimension (Without TEC)	Accessories
			
2.835 kg	**300(L)×132(W) ×72(H) mm^3,**	**312(L)×82(W) ×54(H) mm^3,**	**Collimation system**

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