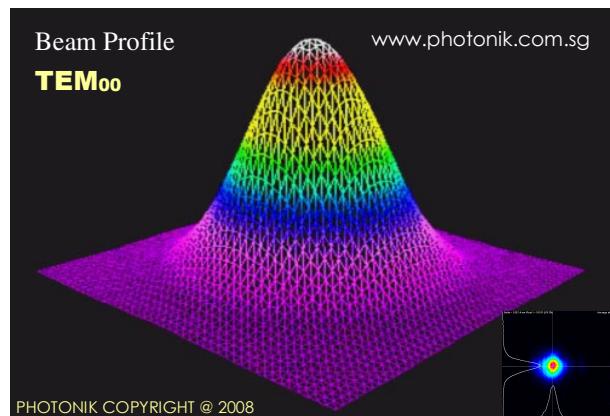
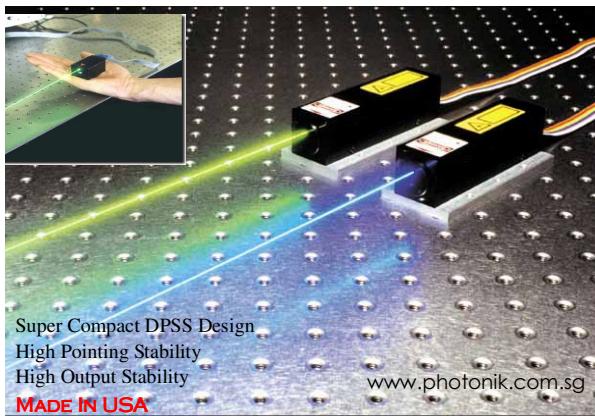


Low Noise, High Stability Red Laser System (638/655/658/671/685nm) **PRRL SERIES**

Optional: single-longitudinal mode(SLM) version upon request



TECHNICAL SPECIFICATION:

PARAMETER	UNIT	DATA/DESCRIPTIONS				
Operation Center Wavelength	nm	638 ± 3	655 ± 3	658 ± 3	671 ± 2	685 ± 2
Output Power(free-space)	mW	1 ~ 80	1 ~ 100	1 ~ 100	1 ~ 120	1 ~ 100
<i>Option: SLM output version</i>	mW	30 max	100 max	100 max	120 max	100 max
Transverse Mode		TEM ₀₀ ; M ² < 1.1				
Beam Diameter (1/e ²)	mm	φ1.0 typ. <i>Options: SM(Nufern 405-HP, 630-HP) or PM(Nufern PM-630HP fiber-coupled output with collimator/beam size upon request)</i>				
Beam Divergence	mrad	1.0 typ. (0.4mrad divergence/φ2.5mm beam size per order)				
Output Power Stability (RMS)		< 0.5% over 24-hrs				
Noise(RMS)		< 0.5% @ 10 Hz ~ 20 MHz				
Beam Pointing Stability	mrad	< 0.02				
Beam Polarization State		Linear – polarization ratio: > 100:1 Vertical or horizontal polarization state upon request when placement of order				
Spectral Linewidth (FWHM) <i>Option: SLM version</i>		Several(3 ~ 10) longitudinal modes included, typ. Single longitudinal mode, with coherence length > 5m, >10m, >20m, >25m (>50-m as an option for special order); Linewidth: < 0.0001nm typ.				
Warm-up Time	Sec	< 30				
Operation Temperature Range	°C	10 ~ 35				
Power Consumption	W	5.0 max.				
Power Supply		90 ~ 260 Vac/50 ~ 60Hz single-phase				
Physical Dimensions Laser Head Power Supply	mm	W30.0 x H30.0 x L120.0 (c/w 6.0mm base mount/adaptor) W140.0 x H50.0 x D150.0 (5" x 2" x 6")				

ORDERING INFORMATION:

P/N: **PRRL-X-Y-Z-P-L**

X: output power;

Y: center wavelength;

Z: **N** = standard; **S** = single longitudinal mode(SLM) operation;

P: **H** = horizontal polarization; **V** = vertical polarization;

L: Number of minimal coherence length; Defined only for SLM version

* for example. **PRRL - 050 - 671 - S - H - 25** stands for 50mW, 671nm laser with SLM operation, horizontal polarization output and coherence length 25-meter minimum.

CLASS 3B LASER PRODUCTS; *RoHS Compliant*

COPYRIGHT BY PHOTONIK SINGAPORE PTE LTD @2008



www.photonik.com.sg



sales@photonik.com.sg



+ 65 – 63166370