



**MRL-DP-xxx-C series**

**LD PUMPED ALL-SOLID-STATE RED LASER**

All solid-state CW mode laser is made features of ultra compact, easy operating, high power and stability, which is perfect for flow cytometry, spectrum analysis, microscopy, semiconductor inspection, cell sorting, optical instrument, , physics experiment, etc.



**SPECIFICATIONS**

Part number	MRL-DP-607-C	MRL-DP-639-C		MRL-DP-670-C	MRL-DP-698-C		MRL-DP-721-C	
Central wavelength (nm)	607±1	639±1		670±1	698±1		721±1	
Operating mode	CW							
Output power (mW) <sup>1</sup>	3500-7500	10000-15000	15000-17000	4000-6500	7000-9000	9000-10000	8000-10000	10000-12000
Power stability (rms, 4 hours±3°C)	<3%, <2%, <1%							
Transverse mode	Multi mode							
Beam diameter at the aperture (1/e <sup>2</sup> , mm)	~3.0							
Beam divergence, full angle (mrad)	<5.0							
Warm-up time (minutes)	<10							
Beam height from base plate (mm)	94							
Polarization ratio	>100:1 Horizontal (Vertical optional)			>100:1, Vertical (Horizontal optional)				
Cooled method (Water Cooled)	WCH-580							
Operating temperature (°C)	10-35							
Operating voltage (VDC)	12V/ 25A							
Expected lifetime (hours)	>10000							



LASER HEAD (DRIVER Integrated)	POWER SUPPLY (100-240VAC) optional	WATER CHILLER (WCH-580)
<p>436(L)×236(W)×131.5(H) mm<sup>3</sup>, 16.6 kg</p>	<p>199(L)×99(W)×50(H) mm<sup>3</sup>, 1.0kg</p>	<p>345 (L) ×248 (W) ×215(H) mm<sup>3</sup>, 10.5kg</p>

1 Any power level can be selected in this range.