



MDL-III-705 / 1~25mW

RED DIODE LASER AT 705nm

Red diode laser at 705nm is made features of round spot, long lifetime, low cost and easy operating, which is widely used in measurement, spectrum analysis, etc.



SPECIFICATIONS

Wavelength (nm)	705 ± 10	
Output power (mW)	>1, 5, 10, ..., 25	
Transverse mode	Near TEM ₀₀	
Operating mode	CW	
Power stability (rms, over 4 hours)	<1%, <3%, <5%	
Warm-up time (minutes)	<5	
Beam divergence, full angle (mrad)	<1.0	
Dimensions of beam at the aperture (mm)	~3, 0	
Beam height from base plate (mm)	24.8	
Operating temperature (°C)	10~35	
Power supply (90-264VAC)	PSU-III-FDA	PSU-III-LED
Modulation option	TTL/Analog 1Hz-5KHz, 1Hz-10KHz, 1Hz-30KHz, and TTL on/off	
Warranty	1 year	



MxL-III-705	PSU-III-LED	PSU-III-FDA
 139(L)×73(W)×46.2(H) mm ³ , 0.6kg	 153 (L) ×155(W) ×92 (H) mm ³ , 1.5kg	 133 (L) ×130(W) ×65 (H) mm ³ , 1.2kg
		



MRL-H-721/1~400mW

**LD PUMPED ALL-SOLID-STATE
RED LASER AT 721nm**





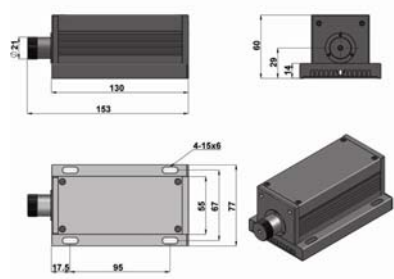
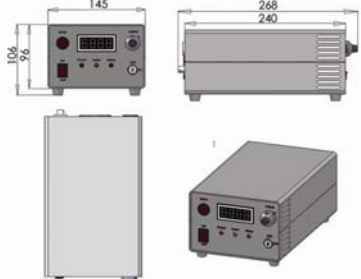
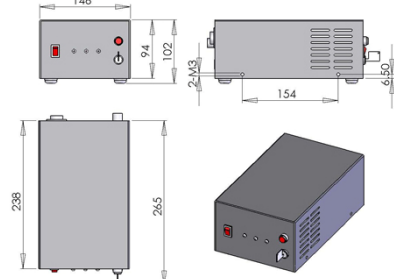
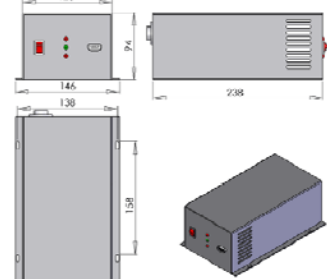
All solid state 721nm red laser is made features of ultra compact, long lifetime, low cost and easy operating, which is widely used in measurement, spectrum analysis, and scientific experiment, etc.



SPECIFICATIONS

Wavelength (nm)	721 ± 1		
Output power (mW)	>1, 5, 10, 20, ... , 400		
Transverse mode	TEM ₀₀		
Operating mode	CW		
Power stability (rms, over 4 hours)	<5%, <10%		
Warm-up time (minutes)	<10		
M ² factor	<1.2		
Beam divergence, full angle (mrad)	<1.5		
Beam diameter at the aperture (mm)	~2.0		
Beam height from base plate (mm)	29		
Polarization ratio	>100:1 (0 or 90 degree)		
Pointing stability after warm-up (mrad)	<0.05		
Operating temperature (°C)	10~35		
Power supply (90-264VAC)	PSU-H-LED	PSU-H-FDA	PSU-H-OEM
Expected lifetime (hours)	10000		
Warranty	1 year		



MxL-H-721	PSU-H-LED	PSU-H-FDA	PSU-H-OEM
 153(L)×77(W)×60(H) mm ³ , 0.9 kg	 268 (L) ×145(W) ×106 (H) mm ³ , 2.6 kg	 238 (L) ×146(W) ×102 (H) mm ³ , 2.3 kg	 238 (L) ×146(W) ×94 (H) mm ³ , 2.2 kg
			



MDL-III-730L /1~30mW

RED DIODE LASER AT 730nm

Red diode laser at 730nm is made features of round spot, long lifetime, low cost and easy operating, which is widely used in measurement, spectrum analysis, etc.



SPECIFICATIONS

Wavelength (nm)	730 ± 10	
Output power (mW)	>1, 5, 10, ..., 30	
Transverse mode	Near TEM ₀₀	
Operating mode	CW	
Power stability (rms, over 4 hours)	<1%, <3%, <5%	
Warm-up time (minutes)	<5	
Beam divergence, full angle (mrad)	<1.0	
Dimensions of beam at the aperture (mm)	~3, 0	
Beam height from base plate (mm)	24.8	
Operating temperature (°C)	10~35	
Power supply (90-264VAC)	PSU-III-FDA	PSU-III-LED
Modulation option	TTL/Analog 1Hz-5KHz, 1Hz-10KHz, 1Hz-30KHz, and TTL on/off	
Warranty	1 year	



MxL-III-730L	PSU-III-LED	PSU-III-FDA
<p>139(L)×73(W)×46.2(H) mm³, 0.6kg</p>	<p>153 (L) ×155(W) ×92 (H) mm³, 1.5kg</p>	<p>133 (L) ×130(W) ×65 (H) mm³, 1.2kg</p>



DATA SHEET

MRL-III-750/1~2000mW

RED DIODE LASER AT 750nm

Red diode laser at 750nm is made features of ultra compact, long lifetime, low cost and easy operating, which is widely used in measurement, spectrum analysis, etc.



SPECIFICATIONS

Wavelength (nm)	750±3	
Output power (mW)	>1, 100, 200, 300, ..., 2000	
Transverse mode	Near TE ₀₀	
Operating mode	CW	
Power stability (rms, over 4 hours)	<1%, <3%, <5%	
Warm-up time (minutes)	<5	
M ² factor	<20	
Beam divergence, full angle (mrad)	<3.0	
Dimensions of beam at the aperture (mm)	~5×8	
Beam height from base plate (mm)	24.8	
Polarization ratio	>50:1	
Pointing stability after warm-up (mrad)	<0.05	
Operating temperature (°C)	10~35	
Power supply (90-264VAC or 5VDC)	PSU-III-LED	PSU-III-FDA
Modulation option	TTL/Analog 1Hz-5KHz, 1Hz-10KHz, 1Hz-30KHz, and TTL on/off	
Expected lifetime (hours)	10000	
Warranty	1 year	



MxL-III-750	PSU-III-LED	PSU-III-FDA
<p>136(L)×73(W)×46.2(H) mm³, 0.6kg</p>	<p>153 (L) ×155(W) ×92 (H) mm³, 1.5kg</p>	<p>133 (L) ×130(W) ×65 (H) mm³, 1.2kg</p>



FC-D-785/1~450mW

INFRARED DIODE LASER MODULE AT 785nm

With narrow spectral bandwidth, spectral purity and a high level of wavelength stability, FC-D-785 laser module is designed specially for Raman spectroscopy, which has integrated laser drivers and thermoelectric coolers together, its compact dimension and convenient functions make it optimal for industrial and medical applications.



SPECIFICATIONS

Model	FC-D-785 (Spectrum Stabilized)
Wavelength (nm)	785±0.3
Spectral line width (nm)	0.1, 0.2, optional
Output power after fiber (mW)	>350, >450
Central wavelength stability (rms, over 2 hours) (pm)	<10
Power stability (Pk-pk, over 4 hours)	<3%
Output fiber (optional)	100 μm @ 0.22 NA
Noise of amplitude (rms, 1~20MHz)	<0.5%, <1%
Humidity	5-95%
Connector	SMA905
Operating mode	CW
Warm-up time (minutes)	<5
Operating temperature (°C)	-10~40
Power consumption	3.0A @ 5V or 7-15VDC
TTL modulation	Optional, 0-200KHz
Rise time	<10μs
Expected lifetime (hours)	10000
Warranty	1 year

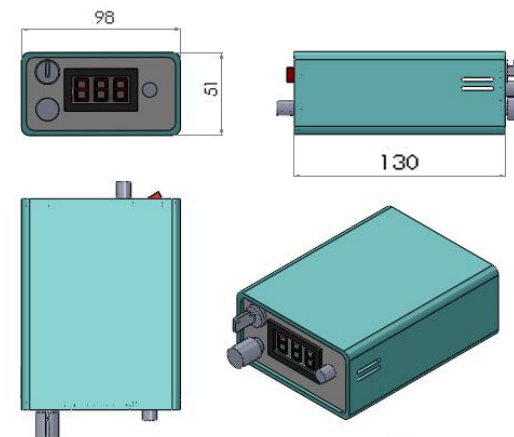


FC-D-785



130(L)×98(W)×51(H) mm³, 0.875 kg

Dimensions





MDL-III-793/1~2000mW

**INFRARED DIODE LASER
AT 793nm**

Diode infrared laser module at 793nm is made features of ultra compact, long lifetime and easy operating, which is used in pumping Tm:YAG, Tm:YLF and so on.



SPECIFICATIONS

Wavelength (nm)	793±3	
Output power (mW)	>1, 100, 200, 300, ..., 2000	
Transverse mode	Near TE ₀₀	
Operating mode	CW	
Power stability (rms, over 4 hours)	<1%, <3%, <5%	
Warm-up time (minutes)	<5	
M ² factor	<20	
Beam divergence, full angle (mrad)	<3.0	
Dimensions of beam at the aperture (mm)	~5×8	
Beam height from base plate (mm)	24.8	
Polarization ratio	>50:1	
Pointing stability after warm-up (mrad)	<0.05	
Operating temperature (°C)	10~35	
Power supply (90-264VAC or 5VDC)	PSU-III-LED	PSU-III-FDA
Modulation option	TTL/Analog 1Hz-5KHz, 1Hz-10KHz, 1Hz-30KHz, and TTL on/off	
Expected lifetime (hours)	10000	
Warranty	1 year	



MxL-III-793	PSU-III-LED	PSU-III-FDA
 136(L)×73(W)×46.2(H) mm ³ , 0.6kg	 153 (L) ×155(W) ×92 (H) mm ³ , 1.5kg	 133 (L) ×130(W) ×65 (H) mm ³ , 1.2kg
		