



MLL-III-793/1~2000mW

LOW NOISE INFRARED DIODE LASER AT 793nm

Low noise 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

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|---|------------------------------|-------------|
| 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% | |
| Noise of amplitude (rms, 1~20MHz) | <1% | |
| 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 |
| Expected lifetime (hours) | 10000 | |
| Warranty | 1 year | |



| MxL-III-793 | 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> |
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