



MSL-FN-543/1~20mW



**SINGLE LONGITUDINAL MODE
GREEN LASER AT 543nm**

All solid state laser at 543nm is made features of ultra compact, long lifetime, cost-effectiveness and easy operating, which is used in scientific experiment, optical sensor, measurement, instrument, communication, spectrum analysis, etc.



SPECIFICATIONS

| | |
|---|---|
| Wavelength (nm) | 543±1 |
| Operating mode | CW |
| Output power (mW) | >1, 5, 10, ... , 20 |
| Power stability (rms, over 4 hours) | <1%, <2%, <3% |
| Transverse mode | TEM ₀₀ |
| Longitudinal mode | Single |
| Spectral linewidth (nm) | <0.00001 |
| Coherent length (m) | >50 |
| Noise of amplitude (rms, 1Hz~20MHz) | <1% |
| M ² factor | <1.2 |
| Beam diameter at the aperture (1/e ² , mm) | <1.5 |
| Beam divergence, full angle (mrad) | <1.2 |
| Polarization ratio | >100:1, Vertical±5 degree (Horizontal Optional) |
| Warm-up time (minutes) | <10 |
| Pointing stability after warm-up (mrad) | <0.05 |
| Beam height from base plate (mm) | 27.4 |
| Operating temperature (°C) | 15~35 |
| Power supply (90-264VAC) | PSU-H-FDA |
| Expected lifetime (hours) | 10000 |
| Warranty | 1 year |



Note: The laser head needs to be used on a heat sink with good heat dissipation.

| MSL-FN-543 | PSU-H-FDA |
|--|--|
| <p>197(L)×70(W)×50(H) mm³, 1.5 kg</p> | <p>275(L)×145(W)×104(H) mm³, 2.3 kg</p> |