

MIL-N-1645/1~1000mW

### LD PUMPED ALL-SOLID-STATE INFRARED LASER

All solid state 1645 nm infrared laser is in the eye-safe spectral range and made features of good beam quality which is widely used for long-distance telemetry and ranging, laser radars, and designation, etc.



#### SPECIFICATIONS

Wavelength (nm)	1645 ± 1
Operating mode	CW
Max average power (mW)	>1, 5, 10, ... , 1000
Power stability (over 4 hours)	<5%, <10%
Transverse mode	Near TEM <sub>00</sub>
Beam divergence, full angle (mrad)	<3
Beam diameter at the aperture (1/e <sup>2</sup> , mm)	<3
Beam height from base plate (mm)	68.5
Warm-up time (minutes)	<10
Operating temperature (°C)	10~30
Power supply (90-264VAC)	FC-W-B
Expected lifetime (hours)	10000
Warranty period	1 year



MIL-N-1645	FC-W-B
<p data-bbox="577 1362 840 1385">245(L)×99(W)×94(H) mm<sup>3</sup>, 2.5 kg</p>	<p data-bbox="1384 1362 1668 1385">275 (L) ×145(W) ×104 (H) mm<sup>3</sup>, 2.4 kg</p>