

TEM-F-442/1~20mW (TEM₀₀)

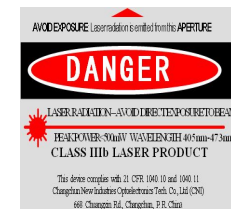
BLUE DIODE LASER AT 442NM

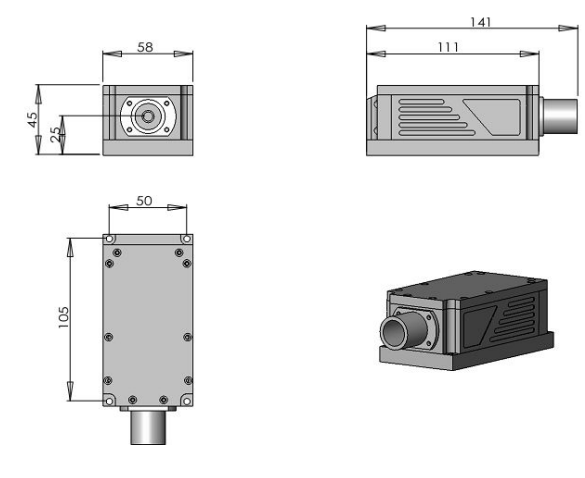
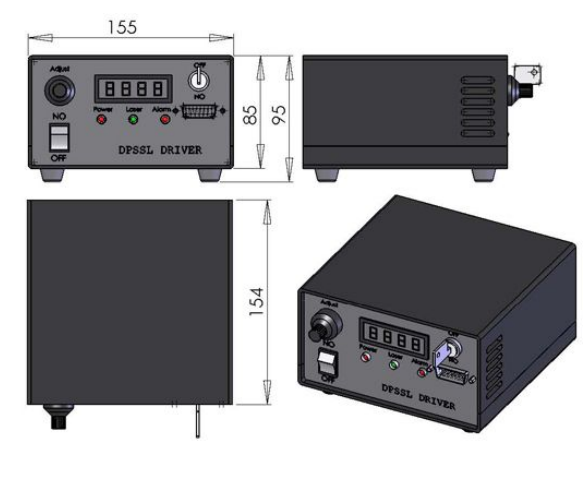
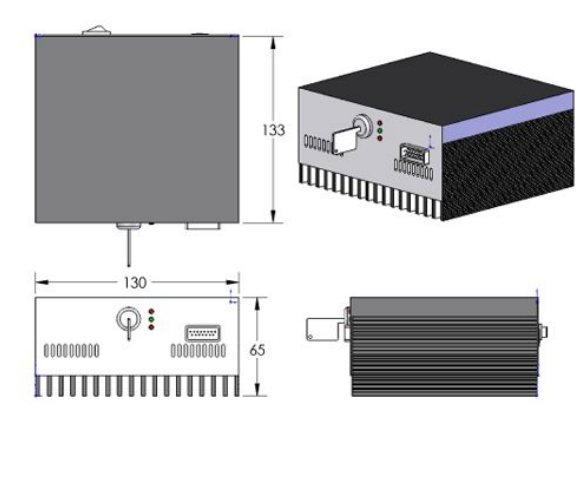
442 nm blue laser is made features of TEM₀₀ mode, ultra compact, long lifetime, low cost and easy operating, which is used in measurement, communication, spectrum analysis, etc



SPECIFICATIONS

Wavelength (nm)	442±5	
Output power (mW)	>1,2,3.....,20	
Transverse mode	TEM ₀₀	
Operating mode	CW	
Ellipticity	>0.98	
Beam quality (M ²)	<1.1	
Power stability (rms, over 4 hours)	<1%, <3%, <5%	
Pointing stability after warm-up (mrad)	<0.05	
Polarization ratio	no fixed polarization	>50:1 (>100:1 optional)
Warm-up time (minutes)	<5	
Beam divergence, full angle (mrad)	<1.0	
Beam diameter at the aperture (mm)	~1.0	
Beam height from base plate (mm)	25	
Operating temperature (°C)	10~35	
Power supply (90-264VAC)	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 period	1 year	



TEM-F-442	PSU-III-LED	PSU-III-FDA
 <p>141(L)×58(W)×45(H) mm³, 0.74kg</p>	 <p>154 (L) ×155(W) ×95 (H) mm³, 1.5kg</p>	 <p>133 (L) ×130(W) ×65 (H) mm³, 1.2kg</p>