

F-442-HS-OEM/1-4000mW



OEM BLUE DIODE LASER
AT 442nm

It features ultra compact design, long lifetime, cost-effectiveness and easy operation. They are widely used in measurement, communication, spectrum analysis, etc.



SPECIFICATIONS

Central wavelength (nm)	442±5	
Operating mode	CW	
Output power (mW)	>1, 100, 1000, ...,2000	>2000, 2500, ...,4000
Power stability (rms, over 4 hours) at 25°C	<1%, <2%, <3% (<0.5%, optional)	
Transverse mode	Multimode	
Beam diameter at the aperture (1/e ² , mm)	~2.7×2.7	~3.5×3.5
Beam divergence, full angle (mrad)	1.4×0.2	
Warm-up time (minutes)	<5	
Beam height from base plate (mm)	25	
Operating temperature (°C)	25+/-3	
Driver (8VDC 7A)	PSU-SD-OEM	
TTL / Analog modulation	TTL or Analog with 1Hz-1kHz 1kHz-10kHz, 10kHz-30kHz optional	
Expected lifetime (hours)	10000	
Warranty	1 year	



F-442-HS-OEM	PSU-SD-OEM	Accessory (Power supply 100-240VAC)
<p>146 (L) × 58(W) × 45 (H) mm³, 0.7kg</p>	<p>90.5 (L) × 47(W) × 56(H) mm³, 0.3kg</p>	<p>120 (L) × 60(W) × 37(H) mm³, 0.3kg</p>