

**TEM-F-405/1~30mW (TEM<sub>00</sub>)**

**VIOLET DIODE LASER  
AT 405nm**

Violet diode laser module at 405nm is made features of TEM<sub>00</sub> mode, ultra compact, long lifetime, low cost and easy operating, which is used in measurement, communication, spectrum analysis, etc



**SPECIFICATIONS**

Wavelength (nm)	405±5	
Output power (mW)	>1,2,3..... 30	
Transverse mode	TEM <sub>00</sub>	
Operating mode	CW	
Ellipticity	>0.98	
Beam quality (M <sup>2</sup> )	<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-405	PSU-III-LED	PSU-III-FDA
 111(L)×58(W)×45(H) mm <sup>3</sup> , 0.74kg	 154 (L)×155(W)×95 (H) mm <sup>3</sup> , 1.5kg	 133 (L)×130(W)×65 (H) mm <sup>3</sup> , 1.2kg
		