

MDL-XS-505/1~80mW



DIODE XS SERIES LASER AT 505nm

It features integrated electronics, plug and play, miniaturization, international standard interface. They are the ideal solution for a wide range of applications including life sciences, environmental monitoring, inspection and machine vision.



SPECIFICATIONS

Central wavelength (nm)	505±3	
Operating mode	CW	
Output power (mW)	>1,2, ..., 20	>20, 30, ..., 80
Power stability (rms, over 4 hours)	<1%, <2%, <3%	
Transverse mode	Near TEM ₀₀	
Noise of amplitude(rms,20Hz~20MHz)	<1%(<0.5%, optional)	
M ² factor	<1.2	
Beam diameter at the aperture (1/e ² ,mm)	~1.2	
Beam divergence, full angle (mrad)	<1.0	
Polarization ratio	>50:1 (>100:1, optional) Horizontal±5 degree (Vertical Optional)	
Warm-up time (minutes)	<5	
Beam height from base plate (mm)	19	
Operating temperature (°C)	10~35	
Input voltage	+12VDC	
Modulation	DMOD (TTL) up to 1MHz	
	AMOD (Analog) up to 100kHz	
	DMOD+ AMOD (TTL + Analog)	
Expected lifetime (hours)	10000	
Warranty	1 year	



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

