

MBL-XS-457/1~30mW



**XS SERIES LASER
AT 457nm**

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)	457±1
Operating mode	CW
Output power (mW)	>1, 2, 3, ...,30
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)	~1.0
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) or AMOD (Analog) up to 1MHz 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.

<p style="text-align: center;">MBL-XS-457</p> <p style="text-align: center;">74.4(L) ×40(W) ×40(H) mm³, 0.2kg</p>	<p style="text-align: center;">Optional Power Supply</p> <p style="text-align: center;">121(L) ×50(W) ×30.8(H) mm³, 0.3kg</p>
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