

MLL-III-705L /1~25mW



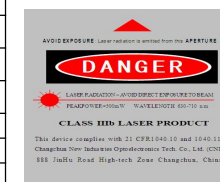
LOW NOISE RED DIODE LASER AT 705nm

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



SPECIFICATIONS

Central wavelength (nm)	705±10
Operating mode	CW
Output power (mW)	>1, 5, 10,..., 25
Power stability (rms, over 4 hours)	<3%, <2%, <1%, <0.5%
Transverse mode	Near TEM ₀₀
Noise of amplitude (rms, 1Hz~20MHz)	<1%
M ² factor	<1.5 (<1.2, optional)
Beam diameter at the aperture ((1/e ² ,mm)	~3.0 (~1.2, optional)
Beam divergence, full angle (mrad)	<1.0
Warm-up time (minutes)	<5
Pointing stability after warm-up (mrad)	<0.05
Beam height from base plate (mm)	24.8
Operating temperature (°C)	10~35
Power supply	85-264VAC 100-240VAC
Modulation optional	PSU-III-LED/ PSU-III-FDA (Frequency for 1Hz-30kHz) PSU-A-D (Frequency for 30kHz ~100kHz)
Expected lifetime (hours)	TTL on/off, 1Hz-1kHz, 1kHz-10kHz, 10kHz-30kHz, 30kHz-100kHz; and Analog modulation optional
Warranty	10000 1 year



MLL-III-705L	PSU-III-LED	PSU-III-FDA	PSU-A-D
143.5(L)×73(W)×46.2(H) mm³, 0.7kg	188.6 (L) ×155(W) ×92 (H) mm³, 1.5kg	171(L) ×130(W) ×62.2 (H) mm³, 1.2kg	162(L) ×144(W) ×70 (H) mm³, 1.0kg