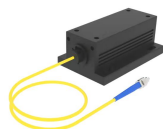




MDL-III-642-SM/1~100mW



RED DIODE LASER
AT 642nm

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



SPECIFICATIONS

Central wavelength (nm)		642±10
Operating mode		CW
Output power after fiber (mW)		1-100
Power stability (rms, over 4 hours)		<2%, <1%, <0.5%
Fiber type		SM fiber (PM fiber optional)
Fiber Core Diameter(μm)		4~9
Fiber NA		0.12
Fiber Connector		FC/PC, FC/APC
Fiber Length (m)		1 (Other lengths are available on request)
Transverse mode		TEM ₀₀
Ellipticity		>0.95
M ² factor after fiber		~1.1
Warm-up time (minutes)		<5
Operating temperature (°C)		10~35
Power supply	85-264VAC	PSU-III-LED/ PSU-III-FDA (Frequency for 1Hz-30kHz)
	100-240VAC	PSU-A-D (Frequency for 30kHz -100kHz)
Modulation optional		TTL on/off, 1Hz-1kHz, 1kHz-10kHz, 10kHz-30kHz, 30kHz-100kHz; and Analog modulation optional
Expected lifetime (hours)		10000
Warranty		1 year



MDL-III-640-SM	PSU-III-LED	PSU-III-FDA	PSU-A-D
 126.5(L) × 73(W) × 46.2(H) mm ³ , 0.7kg	 188.6 (L) × 155(W) × 92 (H) mm ³ , 1.5kg	 171(L) × 130(W) × 62.2 (H) mm ³ , 1.2kg	 162(L) × 144(W) × 70 (H) mm ³ , 1.0kg