



MPL-E series

1535NM LASER

1535nm laser, used in the field of human eye safety rangefinder. Positioned as an autonomous, controllable and localized core device, it has the characteristics of reliability and cost performance.



SPECIFICATIONS

Part number	MPL-E100-1535	MPL-E200-1535	MPL-E300-1535	MPL-E400-1535	MPL-E40-1535
Wavelength (nm)	1535				1535±2
Operating mode	Q-switched pulsed laser				
Max average power (mW)*	0.1-1	0.2-2	0.3-3	0.4-4	40
Pulse energy (μJ)	100	200	300	400	40
Peak power (kW)	25	50	70	80	10
Pulse duration (ns)	3-5			3-6	3-5
Rep. rate (Hz)	EXT TRIG (External triggered)	1-10Hz			1000Hz
Energy stability (over 4 hours)	<5%				
Beam divergence, full angle (mrad)	≤12				≤15
Beam height from base plate (mm)	3.85				
Operating temperature (°C)	-40~65				-40~55
Working voltage (V)	<2				
Working current (A)	8±1	≤12		15	≤4
Expected lifetime	>10 ⁷ times irradiate		>2×10 ⁷ times irradiate	>10 ⁷ times irradiate	
Warranty	1 year				

Average power (mW)= Single pulse energy (μJ) Rep. rate(kHz)

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



LASER (MPL-E100/ 200/ 300-1535)	LASER (MPL-E400-1535)	LASER (MPL-E40-1535)
<p>25(L)×16(W) ×6.52(H) mm³, 10g</p>	<p>34(L)×18(W) ×7.7(H) mm³, 8g</p>	<p>21(L)×16(W) ×7.2(H) mm³, 8g</p>