

MDL-NS-635/1~200mW



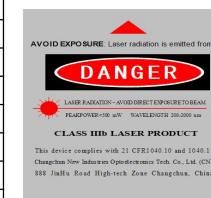
NANOSECOND PULSED RED DIODE LASER AT 635nm

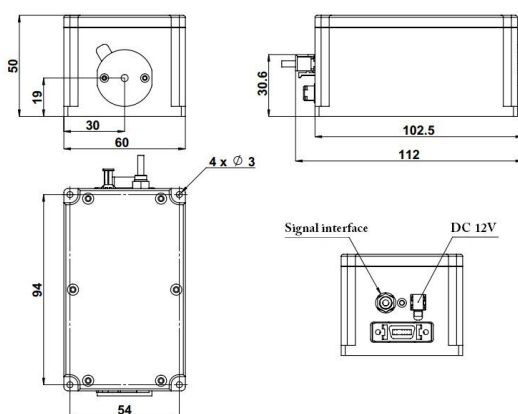
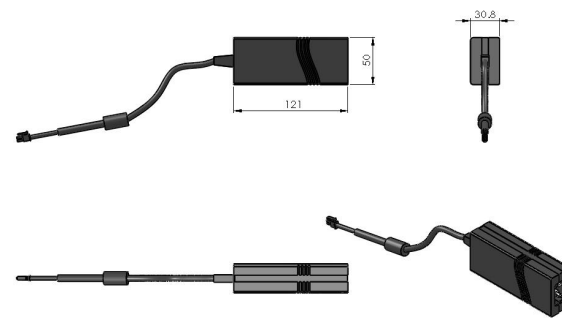
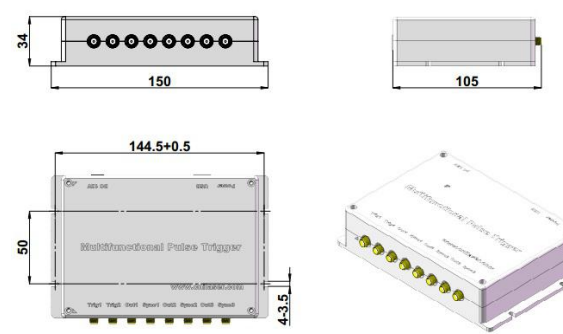
This series laser products with excellent material removal rate, are widely used in microelectronics, material processing, solar energy and medical equipment manufacturing, etc.



SPECIFICATIONS

Central wavelength (nm)	635±5	
Output power@3.3VDC (mW, CW)	>1, 10, 20, ...,100	>100, 110, ...,200
Power stability (rms, over 4 hours)	<1%, <2%, <3%	
Pulse width (FWHM)	>10ns, 20ns, ...,10ms	>10ns, 20ns, ...,10ms
Transverse mode	Near TEM ₀₀	
Noise of amplitude(rms, CW)	<1%	
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)	
User trigger frequency (Multifunctional Pulse Trigger optional)	1Hz-40MHz	1Hz-35MHz
Rise Time (ns)	<4	<5
Fall Time (ns)	<3	<3
Modulation Depth (extinction ratio)	>1000000:1	
Warm-up time (minutes)	<5	
Beam height from base plate (mm)	19	
Operating temperature (°C)	10~35	
Input voltage	+12VDC	
Expected lifetime (hours)	10000	
Warranty	1 year	



MDL-NS-635	Optional Power Supply	Multifunctional Pulse Trigger
 <p>112(L) × 60(W) × 50(H) mm³, 0.5kg</p>	 <p>121(L) × 50(W) × 30.8(H) mm³, 0.3kg</p>	 <p>150(L) × 105(W) × 34(H) mm³, 0.5kg</p>