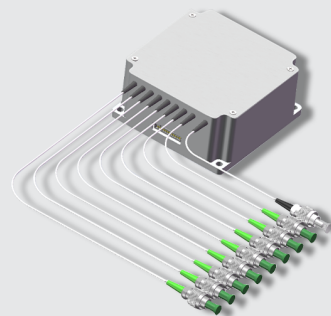


Eight-in-One LIDAR Laser Source

Product Description:

This product is a 1.5um nanosecond pulse fiber laser developed by Lumispot Tech. It features high peak power, flexible and adjustable repetition frequency, and low power consumption. It is highly suitable for use in the TOF radar detection field.



Optical	Unit	Min.	Typical	Max.	Note
Operating Mode			Pulse		
Polarization State			Random		
Operating Wavelength	nm	1547	1550	1553	
Pulse Width	ns		3		
Spectral Width	nm		0.5	1.3	3dB
Beam Quality					M ²
Output Method			Bare fiber output		One-to-Eight Output @ 1550nm
Output Fiber Mode Field Dia.	um		9.1		@1550
Output Fiber			0.14		
Average Power	W		1	3.2	Total Output Power of the Entire Unit
Reference Peak Power	mw	0.5		1	
Main Peak Power	kW			1.5	
Repetition Frequency	kHz	50	460	2000	
Power Stability	%			5	RMS@25°C, Over 8 Hours
Electric					
Trigger Type			External		
Trigger Mode			TTL		
Operating Voltage	V	9	12	13	
Power Consumption	W			30	
Electro-Optical Delay	ns	20		60	
Opto-Optical Delay	ns	20		100	
Pulse Jitter	ps		100		
Interface Model			Molex 505567-1281		
Other					
Mechanical Dimensions			70*70*33		
Weight	mm			300	
Output Fiber Length	g	10		500	Customizable
Operating Temperature	°C	-40		85	
Storage Temperature	°C	-40		95	
Cooling Method			Contact Conduction Cooling		Max. Heat Dissipation Power 28W