

1535nm Eye-safe Microchip pulse Laser

Version: Primary 17-03-01

Model: LSPL153-60u-4n-10H

Features:

- Compact Size
- High Reliability
- Low Power Consumption
- Eye-safe Laser Wavelength

Applications:

- Laser range finding
- LADAR/LIDAR
- Altimetry
- Remote Sensing
- Science analysis and experiment



Characteristics: (T=23±2°C)

parameter	Conditions	Min	Typ.	Max	unit
Optical parameter					
Wavelength			1535		nm
Pulse Energy			60		uJ
Pulse Width		3	4	5	ns
Peak Power			15		KW
Pulse Repetition Frequency		1		10	HZ
Pulse Build-up Time			3		ms
Pulse Energy Stability			3%		
Beam Diameter	At output window, 1/e ²		0.15		mm
Beam Divergence	Full angle, 1/e ²		10		mrad
Beam Quality (M2)			1.2	1.5	
Transmitter Lifetime			100		million shots
Electrical parameter					
LD pulse Current		6.0	7.5	7.8	A
LD pulse Current width			1.1	1.4	ms
LD Voltage			1.9	2.1	V
Power Consumption			0.3		W
Environment parameter					
Operating Humidity		5%		85%	R.H.
Operating Temperature		-40		+60	°C
Storage temperatures		-50		+70	°C
Laser Head Mechanical					
Dimensions		27×18×9			mm

Note:

- 1: Red line is LD anode, black line is LD cathode.
- 2: The case of laser head is collected to red line (LD anode), so the case must be insulated from others when you use laser.
- 3: If you have any other requests, please contact us.

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