

## High Peak Power lidar LiDAR Source Series

### Description

MP64 series is a 1550 nm pulsed fiber laser that can achieve 6kW peak power with 2 ns pulse width. The main features are compact size, wide operating temperature range and low power consumption.

### Key Features

- 1550nm Eye Safety
- High Peak Power
- High OSNR
- Low Power Consumption
- High Reliability

### Applications

- Vehicle-Mounted LiDAR
- Remote Sensing Mapping LiDAR
- Laser Ranging System
- 3D Scanning System
- Optical Fiber Sensing System

### Specifications

| Optical Parameter                         | Unit | Value                             |
|-------------------------------------------|------|-----------------------------------|
| Wavelength                                | nm   | 1547 - 1553                       |
| Average Power                             | W    | 1.5                               |
| Pulse Width                               | ns   | 2                                 |
| Repetition Rate                           | kHz  | 50 - 5000                         |
| <b>Electrical Parameters</b>              |      |                                   |
| Power Voltage                             | V    | 12                                |
| Power Consumption                         | W    | 15                                |
| Communication Interface                   | -    | UART                              |
| <b>Fiber Parameters</b>                   |      |                                   |
| Typ. Fiber Type                           | -    | G.654.D                           |
| Typ. Fiber Jumper Type                    | -    | 900 μm loose tube or tight buffer |
| Typ. Fiber Length                         | m    | 1                                 |
| Fiber Connector                           | -    | LC/APC                            |
| <b>Environment Requirement</b>            |      |                                   |
| Operating Temperature                     | °C   | - 40 to + 105                     |
| Storage Temperature                       | °C   | - 40 to + 125                     |
| Humidity                                  | %    | 5 - 95                            |
| RoHS                                      | -    | Satisfy with RoHS 6               |
| <b>Dimensions</b>                         |      |                                   |
| Module Dimension L (mm) × W (mm) × H (mm) | mm   | 90 × 60 × 15                      |

