

Pulsed LiDAR Source

Description

This product are 1550 nm eye safety pulsed LiDAR source. The configuration uses MOPA design, it can achieve high peak power, ns level pulse width and high repetition rate. The module uses compact package with smart size, wide operating temperature range. It is the ideal source for LiDAR, mapping, and range-detecting.

Key Features

- 1550 nm 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	1535
Average Power	W	1
Pulse Width	ns	3 - 7
Repetition Rate	MHz	0.05 - 2
OSNR	dB	> 25
Electrical Parameters		
Power Voltage	V	12
Power Consumption	W	10
Fiber Parameters		
Typ. Fiber Type	-	SMF28
Typ. Fiber Jumper Type	-	900 μm loose tube or tight buffer
Typ. Fiber Length	m	1
Fiber Connector	-	FC/APC
Environment Requirement		
Operating Temperature	°C	- 40 to + 95
Storage Temperature	°C	- 40 to + 85
Humidity	%	5 - 95
RoHS	-	Satisfy with RoHS 6
Dimensions		
Module Dimension L (mm) × W (mm) × H (mm)	mm	60 × 55 × 19

Package Dimensions

